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A. L. A.

List of Subject Headings

1817
ARTES VERITAS SCIENTIA
LIBRARY OF THE
UNIVERSITY OF MICHIGAN
TUEBOR
SI QUAERIS PENINSULAM AMOENAM
CIRCUMSPICE

THE GIFT OF
Esther A. Smith

Z
695
.A519
1903

Esther A. Smith.

Urbana Ill. 704.

American library association.

LIST OF

SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

PREPARED BY A COMMITTEE
OF THE
AMERICAN LIBRARY ASSOCIATION

SECOND EDITION, REVISED

WITH AN APPENDIX
CONTAINING HINTS ON SUBJECT CATALOGING AND SCHEMES FOR SUBHEADS
UNDER COUNTRIES AND OTHER SUBJECTS

AMERICAN LIBRARY ASSOCIATION
PUBLISHING BOARD
BOSTON
1903

PREFACE.

THIS List of subject headings has been prepared for the cataloger and is to be considered as an appendix to Cutter's Rules for a dictionary catalog, ed. 3, sections 99 to 120.

Every compiler of a dictionary catalog finds two great difficulties: 1st, the choice between synonymous or related headings; 2d, the making of the necessary cross-references. The best catalogs show great diversity of usage and it has often been suggested that, by a collation of these catalogs, a list of subject headings might be made which would simplify the work of the cataloger and lead to more uniformity. At the Lakewood conference of the American Library Association a committee for this purpose was appointed. At the Chicago conference the committee reported progress and the Publishing Section was instructed to proceed with publication as soon as possible. At the Lake Placid conference the committee reported completion of the work, and it is now submitted to the members of the A. L. A and other librarians for approval. The catalogs on which the list is based are those of the Boston Athenæum, Peabody Institute and Cleveland Public Library, the American catalog, and the Harvard Subject index.

Of course no such list can be complete, nor is this intended to be so. It is limited to the headings most often needed in the small or medium sized public library. The following classes of headings have been omitted:

1. Personal names.

2. Geographical headings, such as names of countries, places, languages, literatures, etc. [See Library journal, 18:C79–80, for treatment of these.*]

3. Technical and scientific names, unless there are equivalent common names and for purposes of cross-reference.

4. Animals and plants and chemical and medicinal substances.

5. Books and other parts of the Bible. These should be entered as subheads under Bible, with reference from their names.

6. The following special classes: Names of months, days, processes in arithmetic, parts of speech, virtues and vices, diseases, headings beginning with numbers (as Eighteenth century).

7. Other *specific* headings where there seemed to be no doubt as to name or references, as most games, foods, etc.

It is thought that the list is sufficiently full for ordinary use. The headings for any new subject can be settled by the application of the rules given

*See also Appendix G.

below and by the analogies of headings already in the list. For full discussion of principles the cataloger is referred to Cutter's Rules. Any cataloger having to deal with unusual books will consult special catalogs or reference books, such as the Surgeon-General's Catalog, Soule's Lawyers' reference manual, Bouvier's Law dictionary, M'Clintock and Strong's Cyclopædia, etc.

The general principle of decision is that the heading shall be that under which it is supposed that the majority of educated Americans will look, with cross-references from other forms of heading.

In carrying out this principle the following rules have been followed so far as possible:

1. Use common names instead of technical, English instead of foreign; but not if the common or English name is ambiguous or of ill-defined extent.

2. Use singular rather than plural except where subjects are only thought of under the plural.

3. Use headings most generally found in the leading catalogs. Usage, however, is changing; Moral philosophy, for example, is now almost universally called Ethics.

4. Put compound names under the first word unless some other is more significant (Agricultural botany, rather than Botany, agricultural; but History, ancient, rather than Ancient history).*

In order that all the books on a subject may be brought together in the catalog, cross-references must be liberally supplied. For this reason the list of "see-alsos" is especially full.

Particular attention is called to the "refer-froms." These are the "see-alsos" reversed and group under each heading the references that should be made from other subjects. Of course these references are not to be made unless the book cataloged actually illustrates the subject from which reference is made. They are suggestions rather than directions, and do not relieve the cataloger from using his judgment.

It has not always been thought necessary to include in the list obvious "refer-from" references where the headings stand side-by-side in the alphabetical arrangement. For example, from Agriculture to Agricultural botany, pests, etc.

It will of course be understood that where the reference is simply "*See*," no subject entries are to be made under the heading referred from.

One column is left blank for additions. The cataloger is advised to check headings and references as used and to add new headings required. If he wishes to use a different form of heading, it will be necessary to make the change wherever the heading occurs in the list, otherwise discrepancies will creep into the catalog. By this method a complete list of all the subject headings and references in the catalog will be at hand without reference to the catalog itself.

* *Minority report.* C. A. Cutter prefers Ancient art, Ancient geography, Ancient history; Classical antiquities, Classical art, Classical biography, Classical geography, Classical history; as he would prefer Medieval antiquities, Medieval art, Medieval geography, and Medieval history, if in that case the substantive Middle ages were not better.

In this he follows the principle of *concrete cataloging*, which brings together what relates to a thing, a country, a period, rather than all works belonging to a class or form, such as Geography, History.

Unless the library is quite small, personal and geographical headings should be kept on slips as a supplementary list.

When there is a great accumulation of entries under a heading, it is well to subdivide. The Boston Athenæum and Peabody Institute catalogs furnish good models for such subdivision. [*See also* Appendix.]

We do not expect that this List of subject headings will be considered final or escape criticism. If, however, the general scheme of the work receives the approval of librarians, it forms a basis upon which a revised edition can more easily be prepared. We shall be satisfied with our labors if the result is found useful to catalogers, especially to beginners.

GARDNER M. JONES,
G. E. WIRE, M.D., LL.B.,
C. A. CUTTER,
Committee.

SALEM, MASS., July 22, 1895

PREFACE TO SECOND EDITION.

IN the present edition a few errors have been corrected, and changes and additions have been made in accordance with suggestions of catalogers. The small number of criticisms, either of the general plan or of particular headings, indicates that the work has met the approval of its users. The number of changes in headings is 192, many of which are merely alterations in spelling or compounding of words to conform to the Century dictionary, the standard adopted by the Publishing Section. The work having now been stereotyped, further changes are not to be expected for many years. Special thanks for suggestions are due to Miss Esther Crawford, head cataloger of the Dayton (Ohio) Public Library, and J. C. Hansen, head cataloger of the Library of Congress. Dr. G. E. Wire, formerly in charge of the medical department of the Newberry Library, and a member of the original committee, has revised the medical headings.

The special feature of this edition is the appendix, which contains hints on subject cataloging, and schemes for subdivision of countries, cities, the Bible, Shakespeare, and languages, these being headings under which many entries are likely to accumulate. The more extended schemes are needed only by large libraries. Most libraries should begin with the briefer schemes, making additional subheads as the library increases in size. Thanks are due the Boston Public Library and the New York State Library School for permission to reprint those to which their names are attached.

GARDNER M. JONES,
C. A. CUTTER,
EDITH D. FULLER,
Committee.

SALEM, MASS., May 24, 1898.

LIST OF SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

Abbeys. *See also* Cathedrals; Convents; Monasticism.
Refer from Catholic church; Church architecture; Church history; Convents; Monasteries; Nunneries.

Abbreviations. *See also* Cipher; Shorthand.
Refer from Manuscripts; Shorthand; Writing.

Abdomen. *See also* Intestines; Kidneys; Liver; Stomach; Viscera. Abdominal section.
Refer from Anatomy; Viscera.

Abolition of slavery. *See* Abolitionists; Slavery.

Abolitionists.
Refer from Abolition of slavery; Biography; Slavery.

Abscess. *See also* Suppuration.
Refer from Pathology; Suppuration.

Absolution. *See also* Confession; Penance.
Refer from Church polity; Confession; Penance; Sin.

Absorption (Physiology)

Abstinence. *See* Fasting; Starvation; Temperance.

Academies (learned societies). *See* Societies.

Academies (schools).
Refer from Schools.

Accent. *See also* Prosody.
Refer from Language; Prosody.

Accidence. *See* Grammar.

Accident insurance. *See* Insurance.

Accidents. *See also* Bruises; Burns and scalds; Collisions; Drowning; Explosions; Life-saving; Poisons; Shipwrecks; Surgery.
Refer from Disasters; Drowning; Emergencies; Injuries; Life-saving; Medicine; Nurses and nursing; Surgery.

Accounts. *See* Arithmetic; Bookkeeping.

Accumulators. *See* Storage batteries.

Acetic ether see also Esters

Acetylene

Acids.
Refer from Chemistry.
Acknowledgments.
Refer from Law.
Acoustics. *See* Sound.
Acrobats.
Refer from Sports.
Acrostics.
Refer from Puzzles.
Acting. *See also* Actors; Actresses; Amateur theatricals; Drama; Expression; Pantomime; Theatre.
Refer from Actors; Actresses; Amateur theatricals; Amusements; Drama; Histrionics; Stage; Theatre.
Actions at law. *See also* Costs; Equity; Evidence; Forms (in law); Injunctions; Pleading; Trials.
Refer from Equity; Forms (in law); Law; Pleading; Procedure; Suits at law; Trials.
Actors. *See also* Acting; Actresses; Theatre.
Refer from Acting; Actresses; Biography; Drama; Players; Theatre.
Actors-Biog.
Actresses. *See also* Acting; Actors; Theatre.
Refer from Acting; Actors; Biography; Drama; Players; Theatre; Woman.
Adages. *See* Maxims; Proverbs.
Addresses. *See* Orations.
Administration. *See* Political science.
Administrators and executors. *See also* Wills.
Refer from Guardians; Law; Property; Wills.
Admirals. *See also* Naval biography.
Refer from Biography; Naval biography.
Admiralty. *See also* Commercial law; Maritime law.
Refer from Commercial law; Law; Maritime law.
Adoption. *See also* Guardians.
Refer from Children; Foundlings; Guardians; Law; Orphans.
Adulterations. *See also* Drugs; Food.
Refer from Analysis of food; Chemistry; Commerce; Drugs; Food; Hygiene, public.
Adultery.
Refer from Criminal law; Marriage.
Advent. *See also* Second advent.
Refer from Fasts and feasts.

Adaptation (Biology)
Additiones & emendationes
Administration of estates

Adventure. *See also* Discoveries; Escapes; Explorers; Heroes; Shipwrecks; Voyages and travels.
Refer from Escapes; Heroes.
Adventurers. *See* Imposture.
Adversity. *See* Affliction.
Advertising. *See also* Signboards.
Refer from Business; Commerce; Periodicals.
Aerial navigation. *See also* Flight.
Refer from Aeronautics; Air; Air-ships; Balloons; Engineering; Flight; Flying-machines; Locomotion; Mechanics; Navigation.
Aerolites. *See* Meteors.
Aeronautics. *See* Aerial navigation.
Aesthetics. *See* Esthetics.
Affidavits.
Refer from Forms (in law); Law.
Affliction. *See also* Consolation.
Refer from Adversity; Ethics; Suffering.
African colonization. *See also* Liberia, and the names of African colonization societies.
Refer from Colonization; Negroes; Slavery.
Age. *See also* Longevity; Old age.
Refer from Old age.
Agents. *See also* Attorneys.
Refer from Attorneys; Brokers; Commercial law; Factors; Partnership.
Agnosticism. *See also* Atheism; Positivism; Skepticism.
Refer from Atheism; Faith; Free thought; Philosophy; Skepticism; Theology.
Agreements. *See* Contracts.
Agricultural botany.
Refer from Botany.
Agricultural chemistry. *See also* Fertilizers; Manures; Soils.
Refer from Chemistry; Fertilizers; Manures; Soils.
Agricultural colleges. *See also* Agricultural education.
Refer from Agricultural education; Colleges and universities.
Agricultural education. *See also* Agricultural colleges.
Refer from Agricultural colleges; Education.
Agricultural exhibitions.
Refer from Exhibitions.

Aerated water

Agrarian law, Roman

Agricultural machinery. *See also* Agricultural tools.
Refer from Agricultural tools; Machinery.
Agricultural pests. *See also* Caterpillars; Fungi; Insects; Weeds. Spraying
Refer from Gardening; Insects; Pests.
Agricultural societies.
Refer from Societies.
Agricultural tools. *See also* Agricultural machinery.
Refer from Agricultural machinery; Tools.
Agriculture. *See also* Barns; Bees; Botany; Butter; Cattle; Cheese; Coffee; Corn laws; Cotton; Cow; Dairy; Domestic animals; Domestic economy; Drainage; Ensilage; Fertilizers; Flax; Floriculture; Forestry; Fruit; Gardening; Grain; Grangers; Grape; Grass; Greenhouses; Hog; Horse; Irrigation; Land; Landscape gardening; Maize; Manures; Milk; Ox; Peasantry; Poultry; Sheep; Soils; Stables; Sugar; Tobacco; Trees; Vegetables; Wheat; Wool; and headings beginning Agricultural. Spraying
Refer from Art, ~~useful~~; Botany; Country life; Farming; Fruit; Gardening; Husbandry; Land; Market gardening; Planting; Plants; Rural economy.
Ague. *See* Malarial fever.
Air. *See also* Aerial navigation; Barometer; Compressed air; Meteorology; Ventilation.
Refer from Atmosphere; Chemistry; Meteorology; Physics.
Air-engine.
Refer from Engines.
Air-pump.
Refer from Philosophical instruments; Pumps.
Air-ships. *See also* Aerial navigation.
Albigenses. *See also* Waldenses.
Refer from Church history; Waldenses.
Alchemy. *See also* Chemistry.
Refer from Chemistry; Gold; Hermetic art; Metals; Occult sciences; Superstition; Transmutation of metals.
Alcohol. *See also* Brewing; Distillation; Liquors; Temperance.
Refer from Chemistry; Distillation; Food; Liquors; Stimulants and narcotics; Temperance; Wine.
Alcoran. *See* Koran.

Subdiv. by country etc.

Alcohol, Toxology of

Ale. *See also* Beer; Brewing.
Refer from Beer; Liquors.

Algae.
Refer from Botany; Cryptogams; Marine plants; Mosses; Ocean; Sea mosses; Seashore; Seaweeds.

Algebra. *See also* Equations; Mathematics; Numbers.
Refer from Analysis, mathematical; Equations; Mathematics.

Aliens. *See also* Allegiance; Citizenship; Naturalization.
Refer from Allegiance; International law; Law.

Alkalies.
Refer from Chemistry.

Allegiance. *See also* Aliens; Citizenship; Naturalization.
Refer from Aliens; Citizenship; International law; Law.

Allegories. *See also* Parables.
Refer from Fiction; Parables; Religion.

Allegory.
Refer from Rhetoric.

Allopathy. [For polemical treatises only.]
See also Homeopathy.
Refer from Homeopathy; Medicine.

Alloys. *See also* Amalgamation.
Refer from Amalgamation; Metals.

Almanacs. *See also* Chronology; Nautical almanacs; Year-books.
Refer from Annuals; Astronomy; Calendars; Registers; Statistics; Time; Year-books.

Almsgiving. *See* Charity; Poor.

Almshouses. *See also* Charities; Poor.
Refer from Charities; Poor; Poorhouses, Workhouses.

Alphabet. *See also* Alphabets; Cuneiform writing; Hieroglyphics; Inscriptions; Printing; Writing.
Refer from Inscriptions; Language; Letters (of the alphabet); Phonetics; Writing.

Alphabets. *See also* Illumination; Monograms.
Refer from Alphabet; Decoration and ornament; Illumination (of mss. and books); Lettering; Monograms; Ornamental alphabets; Painting, mechanical; Penmanship; Sign painting.

Alkyldioxyquinone, di-
Alkylketodihydroquina-Jo
Alkaloids lin

Allusions
Allolobophora foetida (Sav.)

Alpine clubs. *See also* Geographical societies; Mountaineering.
Refer from Geographical societies; Mountaineering; Mountains.

Alpine plants.
Refer from Botany; Mountains.

Alpine zoology.
Refer from Mountains; Zoology.

Altars. *See also* Lord's supper; Mass.
Refer from Church furniture.

Alternating currents. *See* Electric currents.

Amalgamation. *See also* Alloys; Mercury.
Refer from Alloys; Metals.

Amateur operas.
Refer from Amusements; Opera.

Amateur theatricals. *See also* Acting; Charades; Pantomime; Shadow pantomimes; Tableaux.
Refer from Acting; Amusements; Charades; Drama; Private theatricals; Tableaux; Theatre.

Amazons.
Refer from Woman.

Ambassadors. *See also* Diplomacy.
Refer from Diplomacy; International law; Ministers (of state).

Ambulances.
Refer from Carriages; Military surgery; Vehicles.

American aborigines. *See* Indians.

American loyalists. *See also* U. S., *History*, *Revolution*.
Refer from Biography; Loyalists, American; Tories, American; U. S., *History*, *Revolution*.

American party.
Refer from Know-nothings; Parties; U. S., *Politics*.

American revolution. *See* U. S., *History*, *Revolution*.

Americanisms.
Refer from Dialects; English language; Slang.

Ammunition. *See also* Firearms; Gunpowder; Projectiles.
Refer from Firearms; Gun; Military art and science; Ordnance.

Amphibia. *See* Batrachia.

Amphitheatres. *See also* Gladiators.
Refer from Architecture.

Amphorae. *See* Vases.

Alps

Aluminium

American orations

American state reports-Digests

Amidoanthraquinone, Di

Amphipoda

Amputation.
Refer from Military surgery; Naval surgery; Surgery.

Amulets.
Refer from Archaeology; Charms; Superstition; Talismans.

Amusements. *See also* Acting; Amateur operas; Amateur theatricals; Ballet; Balls; Camping; Cards; Charades; Circus; Coaching; Concerts; Conjuring; Dancing; Dolls; Enigmas; Fairs; Fencing; Festivals; Fortune telling; Games; Masquerades; Music; Opera; Palmistry; Pantomime; Puzzles; Riddles; Sports; Tableaux; Theatre; Toys; Ventriloquism.
Refer from Entertainments; Ethics; Games; Recreation; Sports.

Ana. *See* Anecdotes.

Anabaptists. *See* Baptists.

Anagrams.
Refer from Literature.

Analysis. *See* Assaying; Blowpipe; Chemistry; Spectrum; *also* name of substance analyzed. spectroscope

Analysis, mathematical. *See* Algebra; Calculus.

Analysis of food. *See* Adulterations; Food.

Analytical geometry. *See* Geometry.

Anarchy. *See also* Nihilism.
Refer from Nihilism; Political science.

Anatomy. *See also* Abdomen; Anatomy for artists; Anthropometry; Arteries; Autopsy; Bones; Brain; Breast; Dissection; Ear; Eye; Foot; Hand; Head; Heart; Histology; Intestines; Joints; Liver; Lungs; Mouth; Nerves; Nervous system; Nose; Physiology; Skull; Spine; Stomach; Surgery; Teeth; Throat; Veins; Vivisection.
Refer from Biology; Body, human; Dissection; Histology; Human body; Man; Medicine; Morphology; Physiology; Surgery; Zoology.

Anatomy for artists. *See also* Expression; Figure painting.
Refer from Anatomy; Artistic anatomy; Artists; Arts, fine; Drawing; Expression; Figure painting; Human figure; Painting; Sculpture.

Ancestor-worship. *See also* Confucianism.
Refer from Parents; Worship.

Ancestry. *See* Genealogy; Heredity.

Anaesthesia, see Anesthesia

Analytical chemistry, see chem., anal.

Anatomy, comparative.
" , Human
, Surgical + topographical
, Pathological

Anchors.
Refer from Ships.
Ancien régime. *See* France, *History*.
Ancient art, geography, history, etc. *See* Art, Geography, History, etc., under which subdivisions may be made if necessary.
Anecdotes. *See also* Table-talk.
Refer from Ana; Biography; Literature; Table-talk; Wit and humor.
Aneroid barometer. *See also* Barometer.
Refer from Barometer.
Anesthetics. *See also* Chloroform; Ether.
Refer from Chloroform; Ether; Medicine; Pain; Surgery; Therapeutics.
Angels. *See also* Demonology.
Refer from Bible; Heaven; Theology.
Angling. *See* Fishing.
Aniline colors. *See also* Dyeing.
Refer from Chemistry; Coal; Coal tar colors; Color; Dyeing.
Animal coloration. *See* Color of animals.
Animal electricity.
Refer from Electricity; Zoology.
Animal food. *See also* Cannibalism; Meat; Vegetarianism.
Refer from Food; Meat; Vegetarianism.
Animal heat.
Refer from Heat; Temperature; Zoology.
Animal kingdom. *See* Zoology.
Animal locomotion. *See also* Birds; Flight; Running; Walking; Wings.
Refer from Birds; Flight; Locomotion; Zoology.
Animal magnetism. *See also* Clairvoyance; Hypnotism; Mind-reading; Second sight.
Refer from Clairvoyance; Hypnotism; Magnetism; Medicine; Mental suggestion; Mesmerism; Mind and body; Mind-cure; Mind-reading; Physiology; Psychology; Sleep; Spiritualism; Suggestion, mental; Therapeutics.
Animal psychology. *See also* Instinct.
Refer from Instinct; Intellect; Intelligence of animals; Psychology; Reason; Soul; Zoology.
Animalcules. *See also* Microscope.
Refer from Zoology.
Animals. *See* Domestic animals; Hunting; Zoology; *also* headings beginning with Animal.

Ancient phil. see Phil. Ancient

Anemia

Anesthesia

Angiospermae

Animal industry

Animal intelligence

Animals, legends and stories of. *See also* Bestiaries; Fables.
Refer from Legends; Mythology; Zoological mythology.

Animals, training of. *See also* Domestication.
Refer from Domestication; Training.

Animals, treatment of. *See also* Vivisection.
Refer from Brutes; Cruelty; Ethics; Kindness to animals.

Animals, worship of. *See also* Serpent-worship.
Refer from Mythology; Worship; Zoological mythology.

Annals. *See* Chronology; History.

Annealing. *See also* Glass; Iron.
Refer from Metals.

Annihilation. *See also* Future life.
Refer from Future life; Theology.

Annuals. [Enter here only the old-fashioned gift-books.] *See also* Almanacs; Year-books.
Refer from Year-books.

Annuals (plants).
Refer from Floriculture.

Annuities.
Refer from Insurance; Investments; Probabilities.

Anonyms.
Refer from Authors; Bibliography.

Antarctic regions.
Refer from Arctic regions; Earth; Polar regions; Voyages and travels.

Anthems. *See also* Chants; Church music; Hymns.
Refer from Chants; Church music; Music; Songs.

Anthropology. *See* Civilization; Ethnology; Language; Man; Woman.

Anthropometry.
Refer from Anatomy; Man.

Antichrist.
Refer from Jesus Christ; Theology.

Antinomianism.
Refer from Calvinism; Congregationalism; Massachusetts, *Church history;* Theology.

Antiquarian societies.
Refer from Historical societies.

Antiquities. *See* Archaeology; *also* under names of countries, etc.

Animals, Habits & behavior of

Annexations, see names of countries

Anolis carolinensis Cuv.

Antiseptics. *See also* Disinfection.
Refer from Disinfection; Medicine; Surgery; Therapeutics.
Antislavery. *See* Slavery.
Apartment houses.
Refer from Architecture, domestic; Flats; Hotels.
Apes. *See also* Gorilla; Monkeys.
Refer from Mammals; Monkeys; Zoology.
Aphorisms. *See* Epigrams; Maxims; Proverbs; Quotations; Table-talk.
Apiculture. *See* Bees.
Apocalypse. *See* Bible.
Apocrypha. *See* Bible.
Apocryphal gospels, etc. *See also* Apostles' creed; Apostolic constitutions.
Refer from Apostles' creed; Bible; Fathers of the church.
Apologetics. *See* Christianity.
Apoplexy.
Refer from Brain; Medicine, practice of; Paralysis.
Apostles. *See also* Bible.
Refer from Bible; Christian biography; Church history; Evangelists; Jesus Christ; Theology.
Apostles' creed. *See also* Apocryphal gospels.
Refer from Apocryphal gospels; Church of England; Creeds; Protestant episcopal church in the U. S.
Apostolic church. *See* Church history.
Apostolic constitutions.
Refer from Apocryphal gospels, etc.; Church law; Fathers of the church; Theology.
Apostolic fathers. *See also* Fathers of the church.
Refer from Christian biography; Church history; Fathers of the church.
Apostolic succession. *See also* Bishops; Episcopacy; Popes.
Refer from Bishops; Church history; Church of England; Church polity; Episcopacy; Popes; Protestant episcopal church in the U. S.; Theology.
Apothecaries. *See also* Pharmacy.
Refer from Biography; Pharmacy.
Apothegms. *See* Epigrams; Maxims; Proverbs; Quotations; Table-talk.
Apparatus. *See* Instruments.
Apparitions. *See also* Demonology; Ghosts; Spiritualism.
Refer from Delusions; Demonology;

Dreams; Ghosts; Hallucinations; Illusions; Phantoms; Psychology; Spectres; Spirits; Spiritualism; Supernatural; Superstition; Visions.

Appeal.
Refer from Law.

Apprentices.
Refer from Boys; Economics; Labor; Master and servant.

Aquarium.
Refer from Fish; Marine zoology; Natural history; Zoology.

Aquatic animals. *See* Marine zoology.

Aqueducts.
Refer from Canals; Engineering; Hydraulic engineering; Water-supply.

Arabesque.
Refer from Decoration and ornament.

Arbitration, industrial.
Refer from Commercial law; Labor; Strikes and lockouts.

Arbitration, international.
Refer from International law.

Arbor-day. *See also* Forestry.
Refer from Forestry; Holidays; Trees.

Arboriculture. *See* Forestry; Fruit.

Arc lamps. *See* Electric lamps.

Archaeology. *See also* Amulets; Architecture; Arms and armor; Arrow-heads; Arts, ~~fine~~; Baths and bathing; Bells; Bible; Brasses; Bronze age; Bronzes; Burial; Castles; Catacombs; Caves; Cemeteries; Chariots; Christian art; Church antiquities; Civilization; Classical antiquities; Cliff-dwellings; Coffins; Coins and medals; Costume; Epitaphs; Ethnology; Folk-lore; Fountains; Gems; Glass; Heraldry; History; Indians; Inscriptions; Lake-dwellings; Man; Manners and customs; Marriage; Middle ages; Monuments; Mound-builders; Mounds; Mummies; Mythology; Obelisks; Pageants; Painting; Pottery; Pyramids; Sculpture; Seals; Shell-mounds; Signboards; Stone age; Sundials; Temples; Tombs; *also* names of countries, sub-head *Antiquities*.
Refer from Antiquities; Architecture; Arts, ~~fine~~; Civilization; Classical antiquities; Ethnology; Excavations; History; History, ancient; Man; Manners and customs; Monuments; Mythology; Prehistoric archaeology; Ruins.

Appendix vermiformis
Apple

Arabian nights

Arabs in Spain
Arachis

Archbishops. *See also* Bishops; Christian biography.
Refer from Bishops; Catholic church; Christian biography; Church of England; Episcopacy.

Archery.
Refer from Arrows; Games; Shooting; Sports.

Arches. *See also* Arches of triumph; Vaulting.
Refer from Architecture; Bridges; Engineering; Masonry; Roofs; Vaulting; Voussoir arches.

Arches of triumph.
Refer from Arches; Architecture; Monuments; Triumphal arches.

Architects.
Refer from Architecture; Artists; Biography.

Architectural drawing.
Refer from Architecture; Drawing; Mechanical drawing.

Architecture. *See also* Amphitheatres; Archaeology; Arches; Arches of triumph; Architects; Architectural drawing; Art~~s~~, ~~fine~~; Baptisteries; Barns; Basilicas; Baths and bathing; Bridges; Building associations; Building materials; Carpentry; Castles; Cathedrals; Chimneys; Christian art; Church architecture; Cliff-dwellings; Columns; Decoration and ornament; Domes; Doors; Fences; Floors; Foundations; Fountains; Gates; Girders; Gothic architecture; Greenhouses; Handrailing; Hardware; Heating; Hospitals; Hotels; House painting; Lake-dwellings; Libra~~ries~~; Masonry; Metal-work; Obelisks; Orders (architectural); Palaces; Plastering; Plumbing; Pyramids; Roofs; Sanitary engineering; School-houses; Sound; Spires; Stables; Stair-building; Strength of materials; Temples; Theatre; Tombs; Towers; Trusses; Vaulting; Ventilation; Walls; Windows.
Refer from Archaeology; Art~~s~~, ~~fine~~; ~~Arts, useful~~; Building; Carpentry; Decoration and ornament; Engineering; Rural architecture; Strength of materials.

Architecture, domestic. *See also* Apartment houses; Cottages; House decora-

Architectural designs

Subdiv. by country, e.g. Arch., Greek.

tion; House painting; Tenement-houses.

Refer from Cottages; Domestic architecture; Dwellings; Houses; Residences; Tenement-houses; Villas.

Architecture, military. *See* Fortification; Military architecture.

Architecture, naval. *See* Ship-building.

Arctic regions. *See also* Antarctic regions; North pole; Northeast passage; Northwest passage.

Refer from Earth; Geography; Ice; North pole; Northeast passage; Northwest passage; Polar Regions; Voyages and travels.

Argonauts.

Refer from Golden fleece; Mythology.

Argot. *See* Slang.

Arianism. *See also* Socinianism; Trinity; Unitarianism.

Refer from Church history; Jesus Christ; Socinianism; Trinity; Unitarianism.

Arithmetic. *See also* Arithmetical instruments; Bookkeeping; Decimal system; Interest; Mensuration; Metric system; Numbers; Numerals.

Refer from Accounts; Mathematics; Mental arithmetic; Numbers (theory of); Weights and measures.

Arithmetical instruments. *See also* Calculating machines.

Refer from Arithmetic; Instruments; Mathematical instruments.

Armatures.

Refer from Electric engineering; Electricity; Electromagnets.

Arminianism.

Refer from Predestination; Theology.

Armor. *See* Arms and armor.

Armored vessels.

Refer from Iron-clad vessels; Naval art and science; Ship-building; Ships.

Arms, coats of. *See* Heraldry.

Arms and armor. *See also* Artillery; Bayonet; Firearms; Gun; Gunnery; Helmets; Ordnance; Pistol; Rifle; Sword.

Refer from Archaeology; Armor; Costume; Firearms; Heraldry; Military art and science; Weapons.

Army. *See* Military art and science; *also* names of countries.

Archives, subd. by country et
See also Hist., subhead
under name of country.

Argument, see English
language - Composition
Debating

Arrest.
Refer from Constables; Criminal law; Imprisonment; Law.
Arrow-heads.
Refer from Archaeology.
Arrows. *See* Archery.
Arsenals.
Refer from Firearms; Military architecture; Ordnance.
Art. *See also* ~~Arts, fine~~; Arts, useful; Esthetics.
Refer from Esthetics.
Art education.
Refer from Arts, fine; Education.
Art galleries.
Refer from Arts, fine; Exhibitions; Museums; Paintings; Pictures.
Arteries. *See also* Blood; Veins.
Refer from Anatomy; Blood; Veins.
Artesian wells. *See also* Boring; Wells.
Refer from Boring; Hydraulic engineering; Water-supply; Wells.
Articles, thirty-nine. *See* Church of England.
Artificial flowers. *See also* Wax flowers.
Refer from Fancy work; Flowers.
Artillery. *See also* Gunnery; Military art and science; Naval artillery; Ordnance; Projectiles.
Refer from Arms and armor; Batteries; Firearms; Gun; Gunnery; Military art and science; Ordnance; Tactics.
Artistic anatomy. *See* Anatomy for artists.
Artists. *See also* Anatomy for artists; Architects; Engravers; Musicians; Painters; Sculptors.
Refer from Arts, fine; Biography; Engravers; Painters; Painting; Sculptors.
Arts, ~~fine~~. *See also* Anatomy for artists; Archaeology; Architecture; Art education; Art galleries; Artists; ~~Book illustration~~; Brasses; Bric-a-brac; Bronzes; Caricature; Carving; Christian art and symbolism; Coins ~~and medals~~; Costume; Decoration and ornament; Drawing; Embroidery; Enamel; Engraving; Esthetics; Etching; Exhibitions; Frescoes; Furniture; Gems; Glass; Glass-painting; Goldsmithing; House decoration; Illumination; Ironwork; Jewelry; Lace; Landscape gardening; Leather work; Lithography; Metal-work; Miniature painting; Mosaics; Music; Needle-

Articles of confederation, see U. S. – Art. of con.

Arts, Fine, see Art

Ideas, of Ideas.

Color-printing

Landscape

work; Painting; Photography; Portraits; Pottery; Renaissance; Sculpture; Silhouettes; Silversmithing; Symbolism; Tapestry.

Refer from Archaeology; Architecture; ~~Art;~~ Book illustration; Christian art and symbolism; Composition; Criticism; Decoration and ornament; Design; Engraving; Esthetics; Fine arts; Graphic arts; Painting; Sculpture.

Industrial arts

Arts, useful. *See also* Agriculture; Architecture; Assaying; Blacksmithing; Bookbinding; Brewing; Bricks; Bridges; Business; Cabinet work; Calico-printing; Carpentry; Carving; Casting; Chemistry; Commerce; Cookery; Decoration and ornament; Distillation; Domestic economy; Dyeing; Electric engineering; Engineering; Engraving; Exhibitions; Factories; Fisheries; Floriculture; Furniture; Gardening; Gilding; Glass; Horseshoeing; Inventions; Machinery; Manual training; Manufactures; Masonry; Mechanics; Medicine; Metal-work; Metals; Mills; Mines and mining; Navigation; Painting, mechanical; Patents; Photography; Plumbing; Pottery; Printing; Receipts; Ship-building; Surveying; Tanning; Tapestry; Technical education; Telegraph; Textile fabrics; Timekeepers; Tools; Turning; Upholstery; Weaving; Woodwork.

Refs. for Industrial arts

Refer from Art; Chemistry; Discoveries (in science); Domestic economy; Engineering; ~~Industrial arts;~~ Manufactures; Mechanic arts; Science; Technology; Useful arts.

Aryan antiquities.

Aryans.

Refer from Ethnology; Mythology; Religions.

Asbestos

Asceticism. *See also* Fasting; Hermits; Monasticism.

Refer from Church polity; Fasting; Hermits; Monasticism; Theology.

Ash Wednesday. *See also* Lent.

Refer from Fasts and feasts; Lent.

Assassination. *See also* Murder.

Refer from Criminal law; Murder.

Assault.

Refer from Criminal Law; Law.

Assaying. *See also* Blowpipe; Metals.

Refer from Analysis; Arts, useful;

Blowpipe; Chemistry; Metals; Mineralogy.

Assessment. *See* Taxation.

Assignments. *See also* Bankruptcy.
Refer from Bankruptcy; Commercial law; Contracts; Debt; Law.

Association. *See* Cooperation.

Associations. *See* Corporations; Guilds; Societies; Trade-unions.

Assurance. *See* Insurance.

Asteroids.
Refer from Astronomy; Planets; Solar system; Stars.

Asthma.
Refer from Breathing; Medicine, practice of.

Astrology.
Refer from Astronomy; Fortune-telling; Hermetic art; Occult sciences; Omens; Planets; Stars; Superstition.

Astronomers.
Refer from Astronomy; Biography; Scientists.

Astronomical instruments. *See also* Telescope.
Refer from Astronomy; Instruments; Optical instruments; Philosophical instruments.

Astronomical photography.
Refer from Astronomy; Photography.

Astronomy. *See also* Almanacs; Asteroids; Astrology; Astronomers; Astronomical instruments; Astronomical photography; Chronology; Comets; Earth; Eclipses; Equinoxes; Globes; Gravitation; Latitude; Longitude; Meteors; Moon; Nautical almanacs; Nautical astronomy; Navigation; Nebulæ; Pendulum; Planets [and their names]; Plurality of worlds; Seasons; Solar system; Space; Spectrum; Stars; Sun; Telescope; Tides; Time; Transits; Universe; Zodiac; Zodiacal light. Mars; Planetary orbits
Refer from Atlases; Constellations; Earth; Eclipses; Globes; Gravitation; Heavens; Mathematics; Physics; Planets; Science; Sky; Solar system; Stars; Time; Universe.

Astronomy-Instruments-Catalogs
Astronomy, Spherical & practical
Astronomy-Observations

Astrophysics

Asylum, right of.
Refer from Law; Sanctuary.

Asylums. *See also* Hospitals; Insane hospitals.
Refer from Charities; Hospitals; Medicine.

Athanasian creed.
Refer from Church of England; Creeds; Trinity.
Atheism. *See also* Agnoticism; Deism; God; Materialism; Natural religion; Skepticism; Theism.
Refer from Agnosticism; Deism; God; Natural religion; Philosophy; Religion; Skepticism; Theism; Theology.
Athletics. *See* Gymnastics; Physical education; Sports.
Atlases. *See also* Astronomy; Geography; Historical atlases; Maps.
Refer from Geography; Maps.
Atmosphere. *See* Air; Meteorology.
Atoms. *See also* Chemistry; Molecules; Physics.
Refer from Chemistry; Matter; Molecules; Physics.
Atonement. *See also* Jesus Christ.
Refer from Jesus Christ; Sacrifice; Theology.
Attachment.
Refer from Commercial law; Law.
Attorneys. *See also* Agents.
Refer from Agents; Law.
Auctions.
Refer from Business; Commerce; Sale.
Augury. *See* Divination.
Auricular confession. *See* Confession.
Aurora.
Refer from Meteorology; Northern lights.
Authors. *See also* Anonyms; Authorship; Bibliography; Copyright; Dramatists; Historians; Literature; Musicians; Naturalists; Novelists; Poets; Pseudonyms; Scientists.
Refer from Biography; Literary men; Literature; Writers.
Authorship. *See also* Journalism; Versification.
Refer from Authors; Journalism; Literature; Writing.
Autographs.
Refer from Biography; Handwriting; Signatures.
Autopsy.
Refer from Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations; Surgery.
Autumn.
Refer from Fall; Seasons.

Ataxia

Attention

Authors - Dictionaries
" , American, etc

Automobile
" , Gasoline

Autumnal catarrh. *See* Hay-fever.
Avalanches.
Refer from Mountains; Snow.
Avesta. *See also* Parsees.
Refer from Parsees.
Awards.
Refer from Law.
Axioms.
Refer from Geometry; Mathematics; Philosophy; Truth.
Backgammon.
Refer from Games.
Bacteria. *See also* Fermentation; Germ theory; Bacteriology
Refer from Botany; Contagion; Fermentation; Fungi; Germ theory; Medicine; Microbes; Parasites; Pathology.
Bail.
Refer from Criminal law; Law.
Bailments.
Refer from Contracts; Guaranties and sureties; Law.
Baking. *See also* Bread; Cookery.
Refer from Cookery.
Baldness. *See also* Hair.
Refer from Hair; Head.
Ball. *See* Baseball; Cricket; Football.
Ballads. *See also* Chap-books; Folk-songs; Legends; Lyric poetry; Poetry; Songs; *also* English, *etc.*, ballads.
Refer from Carols; Chap-books; Folk-songs; Legends; Literature; Lyric poetry; Poetry; Songs.
Ballet.
Refer from Amusements; Dancing; Theatre.
Ballistics. *See* Projectiles.
Balloons. *See* Aerial navigation.
Ballot. *See also* Election; Suffrage.
Refer from Election; Political science; Suffrage; Voting.
Balls (parties). *See also* Dancing; Masquerades.
Refer from Amusements; Dancing; Parties.
Banditti. *See* Brigands.
Bank notes. *See also* Counterfeits; Paper money.
Refer from Banks; Counterfeits; Engraving; Money; Paper money.
Bankers.
Refer from Banks; Biography.
Banking. *See* Banks and Banking.

Bacteriology

Bank of Eng.

Bankruptcy. *See also* Assignments; Debt; Receivers.
Refer from Assignments; Commerce; Commercial law; Corporations; Debt; Insolvency; Law.

Banks and banking. *See also* Bank notes; Bankers; Building associations; Credit; Exchange; Finance; Interest; Money; Pawnbroking; Savings-banks; Stock exchange; Stocks. Bank of Eng. Clearing-house
Refer from Banking; Bills of credit; Bills of exchange; Bimetallism; Commerce; Credit; Economics; Finance; Investments; Money; National banks; Paper money; Stock exchange; Wealth.

Banners. *See* Flags.

Baptism. *See also* Baptismal fonts; Baptisteries; Baptists; Close communion; Regeneration; Sacraments.
Refer from Baptists; Church antiquities; Church membership; Church polity; Regeneration; Rites and ceremonies; Sacraments; Theology.

Baptismal fonts.
Refer from Baptism; Church furniture; Fonts.

Baptisteries.
Refer from Architecture; Baptism; Church architecture.

Baptists. *See also* Baptism; Close communion.
Refer from Anabaptists; Baptism; Close communion; Congregationalism; Sects.

Bar. *See* Lawyers.

Bards. *See also* Minnesingers; Minstrels; Troubadours; Trouvères.
Refer from Minstrels; Poetry.

Bark.
Refer from Botany; Trees.

Barns. *See also* Stables.
Refer from Agriculture; Architecture; Cattle; Domestic animals; Horse; Stables.

Barometer. *See also* Aneroid barometer.
Refer from Air; Aneroid barometer; Meteorology; Physics; Surveying.

Baronage. *See* Peerage.

Baronetage. *See* Peerage.

Barrows. *See* Mounds.

Baseball.
Refer from Ball; Games; Sports.

Basilicas. *See also* Church architecture.
Refer from Architecture; Church architecture.

Bas-relief. *See also* Carving; Sculpture.
Refer from Carving; Decoration and ornament; Sculpture.
Baths and bathing. *See also* Diving; Hydropathy; Swimming.
Refer from Archaeology; Architecture; Cleanliness; Hydropathy; Hygiene; Sea bathing; Seashore; Sports; Swimming; Therapeutics; Toilet; Water.
Batrachia.
Refer from Amphibia; Reptiles; Vertebrates; Zoology.
Batteries. *See* Artillery; Electric batteries; Storage batteries.
Battle, wager of. *See* Wager of battle.
Battles. *See also* Massacres; Sieges; *also* names of battles, countries, generals, wars, *etc.*
Refer from History; Military art and science; Military history; Naval history; Sieges; War.
Bayonet.
Refer from Arms and armor; Gun; Military art and science.
Beaches. *See also* Seashore.
Refer from Physical geography; Seashore.
Beacons. *See also* Lighthouses.
Refer from Life-saving; Navigation.
Beads. *See also* Rosary.
Refer from Jewelry.
Beasts. *See* Bestiaries; Domestic animals; Zoology.
Beatitudes. *See also* Bible; Sermon on the Mount.
Refer from Bible; Sermon on the Mount.
Beautiful, the. *See* Esthetics.
Beauty, personal. *See also* Cosmetics; Costume.
Refer from Woman.
Beds.
Refer from Furniture.
Beer. *See also* Ale; Brewing.
Refer from Ale; Brewing; Liquors; Malt; Temperance.
Bees. *See also* Wax.
Refer from Agriculture; Apiculture; Honey; Insects.
Beetles.
Refer from Coleoptera; Insects.
Begging. *See also* Charity; Poor.
Refer from Mendicity; Poor.
Behavior. *See* Etiquette.

Bats

Being.
Refer from Ontology; Philosophy.
Belief. *See also* Certainty; Creeds; Faith; Religions; Sects; Truth.
Refer from Certainty; Doubt; Faith; Intellect; Philosophy; Psychology; Religion; Theology; Truth.
Belles-lettres. *See* Literature.
Bells. *See also* Electric bells.
Refer from Archaeology; Chiming; Church antiquities.
Belting.
Refer from Machinery.
Benedictines.
Refer from Monasticism.
Benefit of clergy.
Refer from Church law; Church polity; Clergy; Law.
Benefit societies. *See* Friendly societies.
Benevolence. *See* Charity; Poor.
Benevolent societies. *See* Charitable societies.
Bestiaries.
Refer from Animals, legends and stories of; Beasts; Literature.
Betting. *See also* Gambling; Probabilities.
Refer from Gambling; Sports; Wagers.
Beverages. *See also* Coffee; Food; Liquors [and names of liquors]; Milk; Stimulants and narcotics; Tea; Temperance; Water.
Refer from Diet; Drinks; Food; Manufactures; Stimulants and narcotics; Temperance.
Bezique.
Refer from Cards.
Bible. *See also* Angels; Apocryphal gospels; Apostles; Beatitudes; Christianity; Church history; Commandments, ten; Creation; Deluge; Fall of man; God; Jesus Christ; Jews; Lord's prayer; Miracles; Parables; Patriarchs; Prophecies; Prophets; Religion and science; Revelation; Saints; Sermon on the Mount; Talmud; Theology.
[*See* appendix for a scheme of subdivision of this heading.]
Refer from Apocalypse; Apocrypha; Apostles; Archaeology; Beatitudes; Christianity; Church history; Commentaries; Concordance; Creation; Deluge, the; Evangelists; Evidences of the Bible; God; Hermeneutics; Jesus

Bible-Criticism, interpretation,
" - Revision

Christ; Jews; Parables; Prophecies; Prophets; Psalmody; Religion; Revelation; Sacred history; Scriptures; Theology; *also from* names of books and other divisions of the Bible. [It is better to enter all such here.]

Bible classes. *See also* Sunday schools.
Refer from Religious education; Sunday schools.

Bible in the schools.
Refer from Education; Public schools; Religious education.

Bible societies.
Refer from Societies.

Bibliography. *See also* Anonyms; Book collecting; Bookbinding; Bookplates; Books and reading; Cataloging; Classification; Indexes; Indexing; Libraries; Library catalogs; Literature; Manuscripts; Pseudonyms; *also*, names of literatures as English, American, *etc.*; *also*, names of persons, places, and subjects for lists of books relating to them.
Refer from Authors; Books and reading; Catalogs; Libraries; Library catalogs; Literary history; Literature.

Bibliomania. *See* Book collecting.

Bicycling. *See* Cycling.

Bilious fever. *See also* Liver.
Refer from Fever; Liver.

Billiards.
Refer from Games.

Bills of credit. *See* Banks and banking; Credit; Money; Paper money.

Bills of exchange. *See* Banks and banking; Credit; Exchange; Money; Paper money.

Bimetallism. *See also* Banks; Finance; Free coinage; Gold; Money; Silver.
Refer from Finance; Free coinage; Gold; Money; Silver.

Binding. *See* Bookbinding.

Biography. *See also* Abolitionists; Actors; Actresses; Admirals; American loyalists; Anecdotes; Apothecaries; Architects; Artists; Astronomers; Authors; Autographs; Bankers; Bishops; Booksellers; Botanists; Brigands; Cardinals; Chancellors; Chief justices; Christian biography; Classical biography; Contemporaries; Criminals; Dramatists; Electricians; Emperors; Engineers; Engravers; Epitaphs; Explorers; Fathers

Catalogs, Science

Bibliography - Best books

Bio-bibliography, See also names of literatures, alpha bio-bibliog., e.g. Eng. lit.. Bio-bib. Biographical dicts.

of the church; Genealogy; Generals; Governors; Heraldry; Heroes; Historians; History; Judges; Justices of the peace; Kings; Lawyers; Librarians; Mechanics; Merchants; Military biography; Ministers; Missionaries; Musicians; Naturalists; Naval biography; Orators; Painters; Patriarchs; Peerage; Philanthropists; Philosophers; Physicians; Pilgrim fathers; Poets; Portraits; Presidents; Prime ministers; Prophets; Queens; Reformers; Saints; Scientists; Sculptors; Shoemakers; Singers; Soldiers; Statesmen; Surgeons; Table-talk; Teachers; Travelers; Woman.

Refer from Genealogy; History; Lives; Memoirs.

Biology. *See also* Anatomy; Botany; Cells; Death; Embryology; Evolution; Heredity; Hygiene; Longevity; Natural history; Physiology; Protoplasm; Sex; Species; Zoology.

Refer from Botany; Cells; Death; Embryology; Evolution; Heredity; Life; Natural history; Philosophy; Physiology; Protoplasm; Psychology; Science; Zoology.

Bioplasm. *See* Protoplasm.

Birds. *See also* Animal locomotion; Cage birds; Eggs; Falconry; Flight; Game; Nests; Pigeons; Poultry; Taxidermy; Wings.

Refer from Animal locomotion; Eggs; Flight; Nests; Oology; Ornithology; Vertebrates; Zoology.

Birthday books.

Refer from Birthdays; Days.

Birthdays. *See also* Birthday books.

Refer from Days.

Bishops. *See also* Apostolic succession; Archbishops; Episcopacy; Ordination.

Refer from Apostolic succession; Archbishops; Biography; Catholic church; Christian biography; Church of England; Episcopacy; Protestant episcopal church in the U. S.

Black art. *See* Witchcraft.

Black death.

Refer from Contagion; Epidemics; Medicine, practice of.

Blacksmithing. *See also* Horseshoeing; Ironwork.

Refer from Arts, useful; Horseshoeing; Ironwork.

Indexes

Names of countries, states, cities, etc. subd Biog.

Bismuth

Bivalves, see also Yoldia limatula

Black Hawk war

Blasting. *See also* Explosives; Quarrying.
Refer from Engineering; Explosives; Mines and mining; Quarrying; Stone; Tunnels.
Bleaching. *See also* Cleaning; Dyeing.
Refer from Cleaning; Dyeing; Textile fabrics.
Bleeding. *See* Bloodletting.
Blind. *See also* Color-blindness.
Refer from Education; Eye; Light; Senses; Sight.
Block-books. *See also* Printing.
Refer from Books and reading; Printing; Xylography.
Blockade. *See also* International law; Neutrality.
Refer from International law; Naval art and science; Neutrality.
Blood. *See also* Arteries; Bloodletting; Heart; Hemorrhage; Veins.
Refer from Arteries; Circulation of the blood; Heart; Pathology; Physiology.
Bloodletting. *See also* Cupping.
Refer from Bleeding; Blood; Cupping; Surgery; Therapeutics; Venesection.
Blowpipe. *See also* Assaying; Chemistry; Mineralogy.
Refer from Analysis; Assaying; Chemistry; Metals; Mineralogy.
Blunders.
Refer from Delusions; Errors; Mistakes.
Boating. *See also* Canoeing; Life-boats; Navigation; Rowing; Sailing; Yachting.
Refer from Navigation; Rowing; Sailing; Ship-building; Ships; Sports; Yachting.
Body, human. *See* Anatomy; Physiology.
Body and mind. *See* Mind and body.
Boilers. *See also* Fuel; Steam; Steam-engine; Steam navigation.
Refer from Explosives; Steam; Steam-boilers; Steam-engine.
Bonds. *See also* Corporations; Finance; Investments; Stocks.
Refer from Corporations; Finance; Guaranties and sureties; Investments; Negotiable instruments; Securities; Stocks.
Bones. *See also* Dislocation; Fracture; Joints; Skull.
Refer from Anatomy; Osteology; Skeleton; Surgery.
Book clubs.
Refer from Clubs; Libraries.

Blind-Asylums & education

Blood-Diseases

Book collecting.
Refer from Bibliography; Bibliomania; Libraries.

Book illustration. *See also* ~~Arts, fine; Engraving; Illumination; Photo-engraving, etc.~~
Refer from Arts, fine; Books and reading; Decoration and ornament; Engraving; Illustration of books.

Book of fate. *See* Fortune-tellers.

Bookbinding. *See also* Marbling.
Refer from Arts, useful; Bibliography; Binding; Books and reading; Libraries.

Bookkeeping.
Refer from Accounts; Arithmetic; Business; Business education; Commerce.

Bookplates.
Refer from Bibliography; Ex libris.

Books and reading. *See also* Bibliography; Block-books; Book illustration; Bookbinding; Cataloging; Chained books; Children's literature; Classification; Copyright; Illumination; Libraries; Library catalogs; Literature; Manuscripts; Printing; Prohibited books; Text-books; Writing.
Refer from Bibliography; Libraries; Literature; Reading.

Booksellers.
Refer from Biography; Publishers.

Bookselling. *See also* Copyright; Printing.
Refer from Commerce; Literature; Publishing.

Boots. *See* Shoes.

Boring. *See also* Artesian wells.
Refer from Artesian wells; Engineering; Wells.

Boroughs. *See also* Cities; Representation; Towns.
Refer from Cities; Local government; Representation; Towns.

Botanical chemistry.
Refer from Botany; Chemistry.

Botanical gardens.
Refer from Botany; Gardens.

Botanical museums.
Refer from Museums.

Botanical societies.
Refer from Societies.

Botanists.
Refer from Biography; Botany; Scientists.

Botany. *See also* Agricultural botany; Agriculture; Algæ; Alpine plants;

Book rarities, see Bibliography
Rare books

Bk. plates, Canadian

Botany - Geographical distribut
" - Laboratory manuals
" - Phylogeny
Bottling
Botany, Medical

Bacteria; Bark; Biology; Botanical; Botanists; Buds; Cells; Climbing plants; Color of flowers; Cryptogams; Evolution; Ferns; Fertilization of plants; Floriculture; Flowers; Forestry; Fruit; Fungi; Gardening; Geographical distribution; Grass; Insectivorous plants; Leaves; Lichens; Medical botany; Microscope; Mosses; Natural history; Orchids; Paleontology; Parasites; Phanerogams; Phosphorescence; Seedlings; Seeds; Shrubs; Trees; Vegetables; Weeds. Hybrids (Botany)

Refer from Agriculture; Biology; Flora; Flowers; Gardening; Natural history; Phanerogams; Plants; Science; Shrubs; Trees; Vegetables.

Boulders. *See also* Glaciers; Moraines.

Refer from Erratics; Geology; Glaciers; Moraines.

Boundaries. *See also* Northeast boundary; Northwest boundary; *also* names of countries and states.

Refer from Geography; History.

Bowling.

Refer from Games; Sports.

Boxing.

Refer from Fighting; Pugilism; Sparring; Sports. Boycotting

Boys. *See also* Apprentices; Children; Young men.

Refer from Children; Conduct of life; Young men; Young people.

Bracelets.

Refer from Costume; Jewelry.

Brahmanism. *See also* Buddhism; Hinduism; India-Religion; Vedas

Refer from Buddhism; Hinduism; Religions.

Brain. *See also* Apoplexy; Dreams; Idiocy; Insanity; Intellect; Mind and body; Nervous system; Paralysis; Phrenology; Psychology. Brain-Pathology; " , Tumors of

Refer from Anatomy; Head; Insanity; Intellect; Mental diseases; Mind and body; Nervous system; Philosophy; Physiology; Psychology; Skull.

Brandy. *See also* Distillation.

Refer from Distillation; Liquors.

Brass. *See also* Brasses; Bronze.

Refer from Metals.

Brasses.

Refer from Archaeology; Arts, fine;

Brass; Epitaphs; Metal-work; Monuments; Tombs.
Bread. *See also* Cookery; Flour.
Refer from Baking; Cookery; Food.
Breadstuffs. *See* Grain.
Breakwaters.
Refer from Engineering; Harbors.
Breast.
Refer from Anatomy; Chest.
Breathing. *See also* Asthma; Bronchitis; Catarrh; Chest; Consumption; Croup; Influenza; Lungs; Nose; Throat; Voice.
Refer from Lungs; Physiology; Respiration; Throat.
Breeding. *See* Domestic animals.
Brewing. *See also* Beer; Distillation.
Refer from Alcohol; Ale; Arts, useful; Beer; Distillation; Domestic economy; Liquors; Malt.
Bric-a-brac. *See also* Decoration; Pottery.
Refer from Arts, fine; Decoration and ornament; House decoration; Pottery.
Bricks. *See also* Masonry; Tiles.
Refer from Arts, useful; Building materials; Manufactures; Masonry; Tiles.
Bridges. *See also* Arches; Cables; Girders; Masonry; Strength of materials; Trusses.
Refer from Architecture; Arts, useful; Engineering; Girders; Masonry; Military engineering; Railroads; Strength of materials; Trusses; Viaducts.
Brigands. *See also* Highwaymen; Robbers.
Refer from Banditti; Biography; Crime; Highwaymen; Robbers.
Brokers. *See* Agents; Stock exchange.
Bronchitis. *See also* Throat.
Refer from Breathing; Cold (disease); Cough; Medicine, practice of; Throat.
Bronze.
Refer from Brass; Metals.
Bronze age.
Refer from Archaeology.
Bronzes.
Refer from Archaeology; Arts, fine; Metal-work; Sculpture.
Bronzing.
Refer from Decoration and ornament.
Brotherhoods. *See also* Monasticism.
Refer from Charities; Church polity; Monasticism; Religious orders.
Brownists. *See also* Congregationalism.
Refer from Congregationalism; Dissenters; Sects.

Bruises.
Refer from Accidents; Contusions.
Brutes. *See* Animals, treatment of; Zoology.
Bryology. *See* Mosses.
Buccaneers. *See also* Pirates.
Refer from Filibusters; Naval history; Pirates.
Bucolic poetry. *See* Pastoral poetry.
Buddha. ~~*See* Buddhism~~.
Buddhism. *See also* Brahmanism; Hinduism; Jains
Refer from Brahmanism; Buddha; Hinduism; Monasticism; Religions.
Buddhism, esoteric. *See* Theosophy.
Buds.
Refer from Botany; Flowers.
Building. *See* Architecture; Carpentry; Engineering; Masonry. Building-Contracts & Specification.
Building associations.
Refer from Architecture; Banks; Friendly societies; Cooperation; Cooperative building associations; Investments; Loan associations; Savings-banks.
Building materials. *See also* Bricks; Cement; Iron; Stone; Strength of materials; Terra-cotta; Timber; Wood.
Refer from Architecture; Engineering; Strength of materials.
Bulbs.
Refer from Floriculture.
Bull fights.
Refer from Fighting; Sports.
Bullion. *See* Money.
Burglary.
Refer from Criminal law.
Burial. *See also* Burial service; Catacombs; Cemeteries; Coffins; Cremation; Embalming; Epitaphs; Funerals; Monuments; Mounds; Mummies; Tombs; Urns.
Refer from Archaeology; Burying grounds; Cemeteries; Death; Funerals; Hygiene, public; Interment; Manners and customs; Sculpture; Tombs.
Burial service.
Refer from Burial; Church music; Funerals; Liturgies; Rites and ceremonies.
Burning the dead. *See* Cremation.
Burns and scalds.
Refer from Accidents; Scalds.
Burying grounds. *See* Burial; Cemeteries.

Business. *See also* Advertising; Auctions; Bookkeeping; Commerce; Commercial law; Commercial travelers; Credit; Economics; Exchange; Finance; Manufactures; Merchants; Money; Stock exchange; Success.
Refer from Arts, useful; Commerce; Merchants; Money; Success; Trade; Wealth.

Business education. *See also* Bookkeeping; Commercial correspondence.
Refer from Commercial education; Education.

Butter.
Refer from Agriculture; Cattle; Cow; Dairy; Food; Milk.

Butterflies. *See also* Caterpillars; Lepidoptera.
Refer from Insects; Lepidoptera.

Cabinet work. *See also* Decoration and ornament; Furniture; Turning.
Refer from Arts, useful; Carpentry; Decoration and ornament; Furniture; Woodwork.

Cables. *See also* Chains; Electric wires; Rope; Telegraph; Wire.
Refer from Bridges; Manufactures; Rope; Wire.

Cage birds.
Refer from Birds; Domestic animals.

Calculating machines.
Refer from Arithmetical instruments; Mathematical instruments; Mathematics.

Calculus (mathematics).
Refer from Analysis, mathematical; Fluxions; Mathematics.

Calendar. *See also* Chronology; Year.
Refer from Chronology; Time; Year.

Calendars [containing readings for every day]. *See also* Almanacs; Year-books.
Refer from Year-books.

Calico-printing.
Refer from Arts, useful; Dyeing; Printing; Textile fabrics.

Calisthenics. *See* Gymnastics.

Caloric. *See* Heat.

Calvinism. *See also* Antinomianism; Congregationalism; Orthodoxy; Predestination; Presbyterianism.
Refer from Orthodoxy; Predestination; Presbyterianism; Theology.

Cambistry. *See* Exchange; Weights and measures.

Bismuth

Cabinet system.

Calculus, Integral
" Differential
" of variations

Calamities - Mass.

Cameos. *See also* Gems.
Refer from Carving (wood, etc.); Gems; Jewelry.
Camera. *See also* Photography.
Refer from Photography.
Camp-meetings.
Refer from Revivals.
Camping. *See also* Tents.
Refer from Amusements; Country life; Outdoor life; Sports; Tents.
Camps (military).
Refer from Military art and science.
Canals. *See also* Aqueducts; Hydraulic engineering; Irrigation.
Refer from Commerce; Engineering; Hydraulic engineering; Inland navigation; Irrigation; Locomotion; Navigation; Transportation; Water-supply.
Cancer.
Refer from Medicine, practice of; Tumors.
Candles.
Refer from Lighting; Manufactures.
Candlesticks.
Refer from Furniture; House decoration.
Candy. *See* Confectionery.
Cannibalism.
Refer from Animal food; Ethnology; Food; Man; Manners and customs.
Cannon. *See* Ordnance.
Canoeing.
Refer from Boating; Locomotion; Navigation; Sailing; Sports.
Canon law. ~~*See* Church law~~.
Canonization. *See also* Saints.
Refer from Catholic church; Church history; Rites and ceremonies; Saints.
Cantatas.
Refer from Music; Oratorio.
Caoutchouc. *See* India-rubber.
Capital. *See also* Interest; Labor; Money; Monopolies; Strikes and lockouts; Trusts.
Refer from Commerce; Economics; Labor; Money; Monopolies; Trusts; Wealth.
Capital punishment. *See also* Guillotine; Hanging.
Refer from Crime; Criminal law; Death penalty; Ethics; Hanging; Punishment.
Capuchins. *See also* Franciscans.
Refer from Franciscans; Monasticism.
Cardinals.
Refer from Biography; Catholic church; Christian biography; Church polity.

Canals, Interoceanic

Cantatas, Secular

Capitals (Cities)

Carassius auratus L.

Carbonates

Cards. *See also* Bezique; Cribbage; Euchre; Fortune-telling; Gambling; Patience; Whist.
Refer from Amusements; Gambling; Games; Playing-cards.

Caricature. *See also* Satire; Wit and humor.
Refer from Arts, fine; Drawing; Satire; Wit and humor.

Caricatures (form heading)

Carols. *See also* Ballads; Songs.
Refer from Christmas; Church music; Easter; Music; Songs.

Carpentry. *See also* Architecture; Cabinet work; Cars; Carving; Floors; Hand-railing; Stair-building; Tools; Turning; Woodwork.
Refer from Architecture; Arts, useful; Building; Joinery; Manual training; Stair-building; Tools; Woodwork.

Carpets. *See also* House decoration; Sweeping; Weaving.
Refer from Floors; House decoration; Textile fabrics; Weaving.

Carriage painting. *See also* Painting, mechanical.
Refer from Painting, mechanical.

Carriages. *See also* Ambulances; Chariots; Coaching; Wheels.
Refer from Coaches; Locomotion; Manufactures; Stage-coaches; Transportation; Vehicles; Wagons; Wheels.

Carriers. *See also* Commerce; Navigation; Railroads.
Refer from Commercial law; Common carriers; Law.

Cars.
Refer from Carpentry; Manufactures; Railroads; Vehicles.

Cartesian philosophy. *See* Descartes, R.

Carthusians.
Refer from Monasticism.

Cartography. *See* Maps.

Cartoons, political, see Caricatures

Carving (meat, etc.). *See also* Cookery.
Refer from Cookery; Dining; Domestic economy; Table, the.

Carving (wood, etc.). *See also* Bas-relief; Cameos; Ivory; Sculpture; Turning; Wood-carving.
Refer from Arts, fine; Arts, useful; Bas-relief; Carpentry; Decoration and ornament; Sculpture; Wood-carving.

Cases of conscience. *See* Conscience.

Caste.
Refer from Manners and customs; Sociology.

Casting. *See also* Pattern-making.
Refer from Arts, useful; Founding; Iron; Metals; Molding; Moulding; Steel.

Castles. *See also* Military architecture.
Refer from Archaeology; Architecture; Chateaux; Middle ages; Military architecture.

Casuistry. *See* Conscience.

Cat.
Refer from Domestic animals; Mammals.

Catacombs.
Refer from Archaeology; Burial; Caves; Cemeteries; Christian art and symbolism; Church antiquities; Church history; Tombs.

Cataloging. *See also* Classification; Indexing; Libraries. s in
Refer from Bibliography; Books and reading; Classification; Indexing; Libraries; s in. Library catalogs.

Catalogs. *See also* Bibliography; Library catalogs; *also* other subjects of which catalogs are made.
Catalogs, Dictionary. Author
Refer fr. lib. cats.

Cataracts. *See* Waterfalls.

Catarrh. *See also* Cold; Hay-fever.
Refer from Breathing; Cold (disease); Medicine, practice of; Nose.

Catechisms. *See also* Creeds; Names of churches.
Refer from Creeds; Theology.

Caterpillars.
Refer from Agricultural pests; Butterflies; Insects; Lepidoptera; Moths.

Cathedrals. *See also* Church architecture.
Refer from Abbeys; Architecture; Christian art and symbolism; Church architecture; Church history; Church of England; Gothic architecture.

Cathode rays. *See* X rays.

Catholic church. *See also* Abbeys; Archbishops; Bishops; Canonization; Cardinals; Celibacy; Christianity; Church and state; Church history; Church law; Church music; Confession; Convents; Councils; Episcopacy; Excommunication; Fasts and feasts; Fathers of the church; Greek church; Immaculate conception; Indulgences; Infallibility; Inquisition; Jansenists; Jesuits; Lent; Liturgies; Mary, virgin; Mass; Miracles;

Missals; Missions; Monasteries; Monasticism; Nunneries; Oxford movement; Penance; Persecution; Pilgrimage; Popes; Priests; Protestantism; Purgatory; Reformation; Religious liberty; Rosary; Saints; Sisterhoods; Transubstantiation; Ultramontanism; Vatican council. Papacy

Refer from Christianity; Church and state; Church history; Church law; Church of England; Emancipation; Episcopacy; Infallibility; Papacy; Popes; Priests; Protestantism; Reformation; Ritualism; Roman Catholic church; Romanism; Sects; Ultramontanism; Vatican. Catocala

Cattle. *See also* Barns; Butter; Cheese; Cow; Dairy; Domestic animals; Milk; Ox; Veterinary medicine.

Refer from Agriculture; Cow; Dairy; Domestic animals; Live stock; Ox; Stock breeding; Veterinary medicine.

Caucus. *See also* Elections ~~(in politics)~~.

Refer from Elections ~~(in politics)~~; Political science.

Cavalry. *See also* Horse; Military art and science.

Refer from Military art and science; Tactics.

Caves. *See also* Catacombs.

Refer from Archaeology; Grottoes; Physical geography.

Celibacy.

Refer from Catholic church; Chastity; Church history; Church polity; Clergy; Ethics; Marriage; Monasticism; Priests; Theology; Woman.

Cell, voltaic. *See also* Electric batteries.

Refer from Electric batteries; Electricity; Voltaic cell.

Cells. *See also* Biology; Embryology; Histology; Protoplasm.

Refer from Biology; Botany; Embryology; Histology; Protoplasm; Zoology.

Cement. *See also* Concrete; Glue.

Refer from Building materials; Concrete; Limes; Masonry; Mortar.

Cemeteries. *See also* Burial; Catacombs; Epitaphs; Landscape gardening; Tombs.

Refer from Archaeology; Burial; Burying grounds; Churchyards; Graveyards; Landscape gardening; Tombs.

Censorship of the press. *See* Liberty of the press; Prohibited books.

Census. *See also* Statistics; *also* names of cities, countries, states, *etc.*
Refer from Population; Statistics; Vital statistics.

Ceramics. *See* Pottery.

Cereals. *See* Grain.

Ceremonies. *See* Etiquette; ~~Manners~~ Manners and customs; Rites and ceremonies.

Certainty. *See also* Belief; Faith; Truth.
Refer from Belief; Evidence; Faith; Intellect; Logic; Philosophy; Theology; Truth.

Chained books.
Refer from Books and reading.

Chains.
Refer from Cables; Manufactures.

Chairs.
Refer from Furniture.

Chance. *See also* Probabilities.
Refer from Philosophy.

Chancellors, lord.
Refer from Biography; Lawyers; Ministers (of state).

Chancery. *See also* Equity.
Refer from Courts; Equity; Law.

Chanting. *See also* Singing.
Refer from Church music; Music; Singing.

Chants. *See also* Anthems; Church music; Hymns.
Refer from Anthems; Church music; Music.

Chap-books. *See also* Ballads.
Refer from Ballads; Literature.

Chapels. *See also* Church architecture.
Refer from Church architecture.

Character. *See also* Christian life; Conduct of life; Ethics; Phrenology; Physiognomy; Temperament.
Refer from Conduct of life; Ethics; Psychology.

Charades. *See also* Amateur theatricals; Riddles.
Refer from Amateur theatricals; Amusements; Drama; Puzzles; Riddles.

Charcoal drawing.
Refer from Drawing.

Chariots.
Refer from Archaeology; Carriages; Military art and science; Vehicles.

Charitable societies.
Refer from Benevolent societies; Charities.

Cerium

Cestodes, see Moni[illegible]

Cestoids, "

Chalk-Kansas

Chameleon, see Anolis carol[illegible]

Charities. *See also* Almshouses; Asylums; Brotherhoods; Charitable societies; Hospitals; Poor; Sisterhoods; Social settlements.
Refer from Almshouses; Charity; Economics; Philanthropy; Poor; Public institutions; Reform; Sociology.

Charity. *See also* Charities; Love.
Refer from Almsgiving; Begging; Benevolence; Ethics; Love; Philanthropy.

Charity schools. *See also* Ragged schools.
Refer from Education; Schools.

Charms. *See also* Amulets; Witchcraft.
Refer from Superstition; Talismans; Witchcraft.

Charts. *See* Maps.

Chase, the. *See* Hunting.

Chastity. *See also* Celibacy.
Refer from Ethics; Marriage; Virtue; Woman.

Chateaux. *See* Castles.

Chattels. *See* Property.

Chattel mortgages, see Mortgages-Personal propert

Checkers.
Refer from Draughts; Games.

Cheese. *See also* Dairy.
Refer from Agriculture; Cattle; Cow; Dairy; Milk.

Cheloria
Chelopos inseulptus L.C.

Cheirosophy. *See* Palmistry.

Chemistry. *See also* Acids; Adulterations; Agricultural chemistry; Air; Alchemy; Alcohol; Alkalies; Aniline colors; Arts, ~~useful~~; Assaying; Atoms; Blowpipe; Botanical chemistry; Color; Combustion; Cookery; Crystallography; Distillation; Dyeing; Electrochemistry; Evaporation; Explosives; Fermentation; Fire; Gas; Gases; Medical chemistry; Metals; Mineralogy; Molecules; Paint; Perfumery; Pharmacy; Phosphates; Photography; Physics; Poisons; Receipts; Spectrum. Photographic chem.
Refer from Alchemy; Analysis; Arts, ~~useful~~; Atoms; Blowpipe; Experiments; Metals; Molecules; Natural history; Physics; Qualitative analysis; Quantitative analysis; Science.

Chemistry-Periodicals.
Chemistry-Tables
Chemistry, Inorganic
" , Organic
" , Technical
" , Analytical
" , Physiological, se Physiol. chem.
" , Physical & theoret

Chess.
Refer from Games.

Chest. *See also* Breast; Consumption; Heart; Lungs; Pneumonia.
Refer from Breathing.

Chicago-Foreign population Language

Chicken-pox.
Refer from Children, *Diseases;* Medicine, practice of; Skin.
Chickens. *See* Poultry.
Chief justices. *See also* Judges.
Refer from Biography; Judges; Lawyers.
Child study. *See also* Kindergarten; Psychology.
Refer from Education; Kindergarten; Psychology; Teaching.
Children. *See also* Adoption; Boys; Children's crusade; Children's literature; Consolation; Education; Family; Foundlings; Girls; Heredity; Kindergarten; Labor; Mothers; Orphans; Parents; Reformatories; Sunday schools; Twins.
Refer from Boys; Domestic education; Education; Ethics; Family; Girls; Home; Infants; Kindergarten; Labor; Mothers; Parents; Sociology; Woman; Young people.
Children, *Diseases. See also* Chicken-pox; Cholera infantum; Croup; Scarlatina; ~~Scarlet fever~~.
Refer from Hygiene; Medicine, practice of; Pediatrics
Children's crusade, 1212.
Refer from Children; Crusades.
Children's literature.
Refer from Books and reading; Children; Juvenile literature; Literature; Stories.
Children's poetry.
Refer from Poetry.
Chiming. *See* Bells.
Chimney sweeping.
Refer from Sweeping.
Chimneys. *See also* Heating; Ventilation.
Refer from Architecture; Fires; Heating; Ventilation.
China. *See* Pottery.
China painting. *See also* Pottery.
Refer from Decoration and ornament; Painting; Pottery.
Chiromancy. *See* Palmistry.
Chivalry. *See also* Crusades; Feudalism; Heraldry; Malta, knights of; Middle ages; Templars; Tournaments.
Refer from Crusades; Feudalism; Heraldry; Knight-errantry; Knighthood; Middle ages; Orders of knighthood; Religious orders; Templars; Tournaments.
Chloroform. *See also* Anesthetics.
Refer from Anesthetics.

Child labor, see Children Employm

Children - Employment
" - Law

Chinch-bugs

Cholera, Asiatic.
Refer from Contagion; Epidemics; Medicine, practice of.

Cholera infantum.
Refer from Children, *Diseases.*

Cholera morbus.
Refer from Medicine, practice of.

Christ. *See* Jesus Christ.

Christendom. *See* Christianity; Church history; History.

Christian. *See also* Church; Religions.
Refer from Ecclesiastical; Theology.

Christian antiquities. *See* Church antiquities.

Christian art and symbolism. *See also* Arts, ~~fine~~; Catacombs; Cathedrals; Church architecture; Church furniture; Church vestments; Cross; Rites and ceremonies; Saints.
Refer from Archaeology; Architecture; Arts, fine; Christian symbolism; Church antiquities; Church architecture; Ecclesiastical art; Emblems; Iconography; Jesus Christ; Mary, virgin; Religious art; Sacred art; Saints; Symbolism.

Christian biography. *See also* Apostles; Apostolic fathers; Archbishops; Bishops; Cardinals; Fathers of the church; Hermits; Martyrs; Ministers; Missionaries; Monasticism; Nonconformists; Pilgrim fathers; Popes; Preachers; Puritans; Reformers; Saints.
Refer from Archbishops; Biography; Church biography; Church history; Church of England; Ecclesiastical biography; Martyrs; Ministers (of the gospel); Religion; Religious biography.

Christian character. *See* Christian life.

Christian doctrine. *See* Theology.

Christian education. *See* Religious education.

Christian life. *See also* Conduct of life; Conversion; Devotional exercises; Faith; Monasticism; Prayer; Religious education; Revivals.
Refer from Christian character; Conduct of life; Conversion; Ethics; Life; Religion.

Christian science.
Refer from Faith-cure; Mind-cure; Therapeutics.

Christian symbolism. *See* Christian art.

Christian union.
Refer from Church polity; Church unity; Sects; Theology.

Christianity. *See also* Bible; Catholic church; Church history; God; Miracles; Missions; Protestantism; Religion; Sects; Theology; *also* headings beginning with Christian *and* Church, *and* the references under all the above.
Refer from Apologetics; Bible; Catholic church; Christendom; Church history; Deism; Evidences of Christianity; Jesus Christ; Natural religion; Philosophy; Religion; Religions; Revelation; Sociology; Theism; Theology.

Christianity-Evidences

Christmas. *See also* Carols; Church decoration and ornament.
Refer from Fasts and feasts; Holidays; Jesus Christ.

Chromatics. *See* Color.

Chromolithography. *See also* Color; Lithography.
Refer from Color; Lithography.

Chronology. *See also* Calendar; History; Time; Year; *also* names of countries and periods.
Refer from Almanacs; Annals; Astronomy; Calendar; Dates; History; Time; Year.

Chronology, Historical
Chronometer

Church, the. *See also* Church architecture; Church history; Church polity; *etc.*
Refer from Christian; Ecclesiastical; Theology.

Church and state. *See also* Catholic church; Church history; Church of England; Church polity; Disestablishment; Liberty of conscience.
Refer from Catholic church; Church history; Church of England; Church polity; Disestablishment; Political science; Religious liberty; State church.

Church antiquities. *See also* Baptism; Bells; Catacombs; Christian art and symbolism; Church architecture; Church furniture; Church vestments; Fasts and feasts; Funerals; Lord's supper; Marriage; Relics; Rites and ceremonies; Shrines.
Refer from Archaeology; Christian antiquities; Church ceremonies; Church history; Church polity; Ecclesiastical antiquities; Rites and ceremonies.

Church architecture. *See also* Abbeys; Baptisteries; Basilicas; Cathedrals; Chapels;

Christian art and symbolism; Crypts; Gothic architecture; Spires; Temples; Towers.

Refer from Architecture; Basilicas; Cathedrals; Chapels; Christian art and symbolism; Church; Church antiquities; Churches; Ecclesiastical architecture; Gothic architecture; Religious art.

Church benefices. *See* Church property.

Church biography. *See* Christian biography.

Church ceremonies. *See* Church antiquities; Fasts and feasts; Rites and ceremonies.

Church costume. *See* Church vestments.

Church councils. *See* Councils.

Church decoration and ornament. *See also* Floral decoration.

Refer from Christmas; Decoration and ornament; Floral decoration.

Church dedication.

Refer from Church polity; Churches; Consecration; Dedication of churches; Rites and ceremonies.

Church fathers. *See* Fathers of the church.

Church festivals. *See* Fasts and feasts.

Church furniture. *See also* Altars; Baptismal fonts; Pulpits; Shrines.

Refer from Christian art and symbolism; Church antiquities; Decoration and ornament; Ecclesiastical furniture; Furniture.

Church government. *See* Church polity.

Church history. *See also* Abbeys; Albigenses; Apostles; Apostolic fathers; Apostolic succession; Arianism; Bible; Canonization; Catacombs; Cathedrals; Catholic church; Celibacy; Christian biography; Christianity; Church and state; Church antiquities; Church law; Church polity; Confession; Convents; Councils; Covenanters; Creeds; Crusades; Dissenters; Eastern churches; Episcopacy; Fathers of the church; Greek church; Heresy; Huguenots; Inquisition; Jansenists; Jesuits; Jews; Martyrs; Middle ages; Miracles; Missions; Monasticism; Nunneries; Persecution; Popes; Protestantism; Reformation; Religious liberty; Revivals; Sects; Sisterhoods; Theology [for history of doctrines]; Waldenses; Witchcraft; *also* the names of churches, councils, countries, orders, sects, *etc.*

Refer from Apostolic church; Bible;

Catholic church; Christendom; Christianity; Church; Church and state; Church law; Church of England; Church polity; Councils; Ecclesiastical history; Greek church; History; History, modern; Reformation; Religion; Religious history; Sacred history; Theology.

Church law. *See also* Apostolic constitutions; Benefit of clergy; Catholic church; Church history; Church of England; Church polity; Councils; Divorce; Marriage; Tithes; *also* the names of churches.

Refer from Canon law; Catholic Church; Church of England; Church polity; Ecclesiastical law; Law.

Church membership. *See also* Baptism; Church polity; Close communion; Confirmation; Creeds; Lord's supper.

Refer from Church polity; Confirmation; Lord's supper.

Church music. *See also* Anthems; Burial service; Carols; Chanting; Chants; Hymns; Masses; Oratorio; Organ.

Refer from Anthems; Catholic church; Chants; Devotional exercises; Hymns; Music; Organ; Psalmody; Sacred music; Songs; Vocal music; Worship.

Church of England. *See also* Apostles' creed; Apostolic succession; Archbishops; Athanasian creed; Bishops; Cathedrals; Catholic church; Christian biography; Church and state; Church history; Church law; Church polity; Church property; Church rates; Clergy; Confession; Confirmation; Creeds; Disestablishment; Dissenters; Episcopacy; Fasts and feasts; Martyrs; Nicene creed; Nonconformists; Nonjurors; Oxford movement; Priests; Protestant episcopal church; Puritans; Ritualism; Sacraments; Sisterhoods; Tithes. Canon law

Church of England-Book of common prayer

Refer from Articles, thirty-nine; Church and state; Church law; Disestablishment; Dissenters; England, church of; Episcopacy; Episcopal church; Nonconformists; Protestant episcopal church in the U. S.; Puritans; Ritualism; Sects; Thirty-nine articles.

Church of Scotland. *See also* Covenanters; Presbyterianism; Reformation.

Refer from Covenanters; Presbyterianism.

Church polity. *See also* Absolution; Apos-

tolic succession; Asceticism; Baptism; Benefit of clergy; Brotherhoods; Cardinals; Celibacy; Christian union; Church and state; Church antiquities; Church dedication; Church history; Church law; Church membership; Church property; Church rates; Clergy; Confession; Confirmation; Congregationalism; Councils; Deaconesses; Deacons; Disestablishment; Episcopacy; Excommunication; Fasts and feasts; Free churches; Indulgences; Lord's supper; Methodism; Ministers; Monasticism; Ordination; Penance; Popes; Preaching; Presbyterianism; Priests; Religious liberty; Rites and ceremonies; Ritualism; Sacraments; Sisterhoods; Tithes; Worship.

Refer from Church; Church and state; Church government; Church history; Church law; Church membership; Church of England; Congregationalism; Ecclesiastical polity; Protestant episcopal church in the U. S.; Religion; Theology.

Church property.

Refer from Church beneficies; Church of England; Church polity; Property.

Church rates. *See also* Tithes.

Refer from Church of England; Church polity; Dissenters; Tithes.

Church services. *See* Liturgies; *also* names of churches and sects.

Church unity. *See* Christian union.

Church vestments. *See also* Costume.

Refer from Christian art and symbolism; Church antiquities; Church costume; Costume; Ecclesiastical costume; Regalia; Vestments.

Churches. *See* Church architecture; Church dedication; Free churches.

Churchyards. *See* Cemeteries.

Cipher.

Refer from Abbreviations; Cryptography; Secret writing; Sign language; Writing.

Circle.

Refer from Curves; Geometry.

Circulation of the blood. *See* Blood.

Circumcision.

Refer from Jews.

Circumnavigation. *See* Voyages around the world.

Circumstantial evidence. *See* Evidence.

Circus.
Refer from Amusements; Hippodrome.
Cistercians.
Refer from Monasticism.
Cities. *See also* Boroughs; Markets; Municipal government; Towns.
Refer from Boroughs; Local government; Municipal government; Sociology; Towns.
Citizenship. *See also* Allegiance; Civil rights; Naturalization; Patriotism.
Refer from Aliens; Allegiance; Elections ~~(in politics)~~; International law; Naturalization; Political science; Suffrage. U.S. - Pol. & govt.
Civics, see Pol. sci.
Civil engineering. *See* Engineering; Surveying.
Civil government. *See* Political science.
Civil law. *See also* Law, and the references under that subject.
Refer from Law; Roman law.
Civil liberty. *See* Liberty.
Civil rights.
Refer from Citizenship; Law; Political science.
Civil service. *See also* Examinations.
Refer from Competitive examinations; Examinations; Office, tenure of; Political science; Reform; Spoils system.
Civil service pensions - Bibl.
Civil war. *See* U. S., *History, Civil war; also* names of other countries in which civil wars have taken place.
U.S. - Pol. & govt. - Civ. war.
Civilization. *See also* Archaeology; Culture; Education; Ethics; History; Man; Sociology; names of countries etc., subdiv. Civil.
Civilization, Homeric, Medieval
Refer from Anthropology; Archaeology; Culture; Ethics; History; History, philosophy of; Man; Political science; Progress; Social science; Sociology.
Clairvoyance. *See also* Animal magnetism; Mind-reading.
Refer from Animal magnetism; Divination; Fortune-telling; Mind-reading; Second sight; Spiritualism.
Classical antiquities. *See also* Archaeology; Classical dictionaries; Greece; Mythology; Rome.
Refer from Archaeology.
Classical biography. *See also* Greece; Rome.
Refer from Biography.
Classical dictionaries. *See also* Greece; Rome.
Refer from Classical antiquities; Dictionaries; Mythology.

Classical education. *See also* Colleges.
Refer from Colleges and universities; Education; Language.

Classical geography. *See also* Geography, ancient.

Classical literature. *See also* Greek literature; Latin literature.
Refer from Literature.

Classical mythology, see Myth., class.

Classification. *See also* Cataloging; Libraries; Science.
Refer from Bibliography; Books and reading; Cataloging; Libraries; Natural history.

Classification of sciences

Cleaning. *See also* Bleaching; Dyeing; Soap; Street cleaning; Sweeping.
Refer from Bleaching; Dyeing; Scouring.

Clay.

Cleanliness. *See also* Baths and bathing; Disinfection.
Refer from Domestic economy; Hygiene.

Clergy. *See also* Benefit of clergy; Celibacy; Curates; Deacons; Ministers; Ordination; Preachers; Preaching; Priests.
Refer from Church of England; Church polity; Ministers (of the gospel); Pastors; Preachers; Priests; Rectors; Theology.

Clearing-house

Cliff-dwellings.
Refer from Archaeology; Architecture; Indians of North America; Pueblos.

Climate. *See also* Meteorology; Temperature; Weather.
Refer from Ethnology; Hygiene; Meteorology; Physical geography; Temperature; Weather.

Climbing plants.
Refer from Botany; Vines.

Clinical medicine. *See also* Diagnosis; Pathology.
Refer from Medicine, Practice of.

Clocks and watches. *See also* Pendulum; Timekeepers.
Refer from Horology; Manufactures; Timekeepers; Watches.

Close communion. *See also* Baptists; Lord's supper.
Refer from Baptism; Baptists; Church membership; Communion; Lord's supper.

Cloth. *See* Textile fabrics.

Clothing. *See also* Costume; Dressmaking; Textile fabrics.
Refer from Costume; Dress; Dry Goods; Manufactures; Textile fabrics.

Clothing trade.

Clouds. *See also* Meteorology.
Refer from Meteorology.
Clubs. *See also* Book clubs; Societies. Woman-Soc. & clubs Girls-Soc. & clubs
Refer from Corporations; Societies; Sociology.
Coaches. *See* Carriages; Coaching.
Coaching. *See also* Driving.
Refer from Amusements; Carriages; Coaches; Driving; Horsemanship; Locomotion; Riding; Stage-coaches; Vehicles.
Coal. *See also* Aniline colors; Coal gas; Mines and mining.
Refer from Fuel; Geology; Mineralogy; Mines and mining.
Coal gas. *See also* Gas.
Refer from Coal; Gas.
Coal-tar colors. *See* Aniline colors.
Coast pilots.
Refer from Navigation.
Coast survey. *See* U. S., *Coast Survey.*
Coats of arms. *See* Heraldry.
Coeducation. *See* Woman, *Education.*
Coffee.
Refer from Agriculture; Beverages; Cookery; Stimulants and narcotics.
Coffins.
Refer from Archaeology; Burial.
Cog-wheels. *See* Gearing.
Coinage. *See* Free coinage; Money.
Coins ~~and medals~~. *See also* Money.
Refer from Archaeology; Arts, fine; Gold; History; Medals; Money; Numismatics; Silver.
Cold. *See also* Frost; Heat.
Refer from Heat; Meteorology; Temperature.
Cold (disease). *See also* Bronchitis; Catarrh.
Refer from Catarrh; Medicine, practice of.
Coleoptera. *See* Beetles.
Collecting. *See also* article collected.
Collectivism. *See* Socialism.
College settlements. *See* Social settlements.
Colleges ~~and~~ see universities. *See also* Agricultural colleges; Classical education; Education; Medical education; Students; University extension; Woman, *Education.*
Refer from Classical education; Education; Schools; Students; Universities.
Collisions. *See also* Shipwrecks.
Refer from Accidents; Navigation; Shipwrecks.

Collateral securities, see Securities, Collateral

Colonies. *See also* names of colonies and names of countries having colonies.
Refer from Colonization; Immigration; Political science; Sociology.

Colonization. *See* Colonies; *also* African colonization.

Color. *See also* Aniline colors; Chromolithography; Dyeing; Light; Painting.
Refer from Chemistry; Chromatics; Chromolithography; Dyeing; Light; Paint; Painting; Painting, mechanical; Pigments.

Color-blindness.
Refer from Blind; Eye; Light; Sight.

Color of animals.
Refer from Animal coloration; Evolution; Zoology.

Color of flowers. *See also* Fertilization of plants.
Refer from Botany; Evolution; Fertilization of plants; Flowers.

Color of man.
Refer from Complexion; Ethnology; Face; Man; Negroes; Physiology; Skin.

Color-sense.
Refer from Psychology; Senses; Vision.

Colored people. *See* Freedmen; Negroes; Slavery.

Columns.
Refer from Architecture.

Combat, trial by. *See* Wager of battle.

Combustion. *See also* Fire; Smoke.
Refer from Chemistry; Fire; Heat.

Comedy. *See* Drama.

Comets.
Refer from Astronomy.

Comic literature. *See* Satire; Wit and humor.

Commandments, ten.
Refer from Bible; Decalogue; Ethics; Ten commandments.

Commentaries. *See* Bible, or other subject commented on.

Commerce. *See also* Adulterations; Advertising; Auctions; Bankruptcy; Banks; Bookkeeping; Bookselling; Business; Canals; Capital; Commercial correspondence; Commercial law; Commercial travelers; Competition; Contracts; Cooperation; Corporations; Credit; Docks; Dry-goods; Economics; Embargo laws; Exchange; Exportation; Fairs; Finance; Grangers; Groceries; Har-

Color-printing

Columbium

Combinations (law)

bors; Hardware; Inland navigation; Insurance; Interest; Loans; Manufactures; Markets; Merchants; Money; Monopolies; Navigation; Panics; Partnership; Pawn-broking; Prices; Profit-sharing; Railroads; Signboards; Smuggling; Speculation; Stationery; Statistics; Steam navigation; Stocks; Tariff; Trade-marks; Trade-unions; Transportation; Trusts; names of countries, rivers & states, subhead Commer

Refer from Arts, ~~useful~~; Business; Carriers; Economics; Exportation; Finance; Imports; Manufactures; Merchandise; Merchants; Money; Navigation; Ocean; Ships; Trade; Transportation.

Commercial correspondence.

Refer from Business education; Commerce; Correspondence; Letter-writing.

Commercial crises. *See* Panics.

Commercial education. *See* Business education.

Commercial law. *See also* Admiralty; Agents; Arbitration, industrial; Assignments; Attachment; Bankruptcy; Carriers; Consuls; Contracts; Conveyancing; Corporations; Debt; Exchange; Insurance; Maritime law; Negotiable instruments; Partnership; Principal and agent; Sale; Trusts.

Refer from Admiralty; Business; Commerce; Consuls; Law; Mercantile law; Merchants; Negotiable instruments; Sale.

Commercial travelers.

Refer from Business; Commerce; Drummers; Merchants; Salesmen, traveling; Travelers.

Common carriers. *See* Carriers.

Common law. *See also* Law, and references under that subject. Subd. by country etc.

Refer from Law.

Common schools. *See* Public schools.

Commonplace books.

Refer from Literature.

Commons (public grounds).

Refer from Land; Parks.

Commons, house of. *See* England.

Commonwealth of England. *See* England, *History*.

Commune, Paris. *See* France; Paris.

Communion. *See* Close communion; Lord's supper.

Communism. *See also* Individualism; Socialism.
Refer from Cooperation; Economics; Individualism; Labor; Political science; Profit-sharing; Property; Socialism; Sociology.
Commutators.
Refer from Electricity; Electromagnets.
Comparative anatomy, *etc.* Enter under subject compared, as Anatomy, Language, Theology, Zoology, *etc.*
Compass.
Refer from Magnetic needle; Magnetism; Mariner's compass; Navigation; Variation of the compass.
Compensation. *See* Damages; Wages.
Competition. *See also* Demand and supply; Monopolies.
Refer from Commerce; Demand and supply; Economics; Monopolies.
Competitive examinations. *See* Civil service; Examinations.
Complexion. *See* Color of man.
Composers. *See* Musicians.
Composite photography.
Refer from Photography.
Composition. *See* Arts, fine; Letter-writing; Painting; Printing; Rhetoric.
Composition, musical. *See also* Counterpoint; Harmony; Music.
Refer from Music.
Compressed air.
Refer from Air; Motors; Pneumatic transmission.
Compromise.
Refer from Ethics.
Compulsory education.
Refer from Education.
Concerts.
Refer from Amusements; Music.
Conchology. *See* Mollusks.
Concordance. *See* Bible; *also* names of authors of whom concordances are made.
Concrete. *See also* Cement.
Refer from Cement; Masonry; Pavements.
Condemned books. *See* Prohibited books.
Conduct of life. *See also* Boys; Character; Christian life; Conversation; Duty; Ethics; Etiquette; Girls; Habit; Self-culture; Success; Young people.
Refer from Character; Christian life; Duty; Ethics, practical; Life; Self-

Comparative literature, see Literature, Comp.

Comparative psychology, see Psychol., Comp.

Eng. lang. - Comp.

Conductivity (chemistry)

culture; Success; Young men; Young women.

Confectionery.
Refer from Candy; Cookery; Manufactures.

Confession. *See also* Absolution; Creeds; Penance.
Refer from Absolution; Auricular confession; Catholic church; Church history; Church of England; Church polity; Penance; Repentance; Sin; Theology.

Confirmation. *See also* Church membership; Lord's supper.
Refer from Church membership; Church of England; Church polity; Protestant episcopal church in the U. S.; Rites and ceremonies; Sacraments; Theology.

Confiscation.
Refer from Law; Property.

Conflagrations. *See* Fires.

Confucianism.
Refer from Ancestor-worship; Religions.

Congregationalism. *See also* Antinomianism; Baptists; Brownists; Church polity; Dissenters; Friends, society of; Orthodoxy; Presbyterianism; Puritans; Unitarianism; Universalism.
Refer from Brownists; Calvinism; Church polity; Dissenters; Independents; Orthodoxy; Puritans; Sects.

Congress. *See* U. S., *Congress; also* names of places at which congresses were held or names of bodies holding them.

Conic sections. *See also* Curves; Geometry; Mathematics.
Refer from Curves; Geometry; Mathematics.

Conjuring. *See also* Witchcraft.
Refer from Amusements; Juggling; Legerdemain; Magic; Necromancy; Prestidigitation; Sleight of hand.

Consanguinity. *See also* Marriage.
Refer from Ethnology; Marriage.

Conscience. *See also* Liberty of conscience.
Refer from Cases of conscience; Casuistry; Ethics; Religion; Theology.

Consciousness. *See also* Subconsciousness.
Refer from Philosophy; Psychology.

Conscription.
Refer from Drafting; Military art and science.

Consecration. *See* Church dedication.

Conservation of energy. *See* Force.

Confederate states of Ame also U.S.-Hist.-Civ. war; See

Confederation, Articles of. U.S.-Art. of con.

continental congress

Conservatories. *See* Greenhouses.
Consolation.
Refer from Affliction; Children; Death; Devotional exercises; Ethics; Religion; Suffering.
Conspiracies.
Refer from Criminal law; History.
Constables. *See also* Arrest.
Refer from County officers; Law; Police.
Constellations. *See* Astronomy; Stars.
Constitutional law.
Refer from Law; U. S., *Constitution*.
Constitutions. *See* this subhead under names of countries, states, *etc.*; *also* names of societies, *etc.*
Consuls. *See also* Commercial law; Diplomacy.
Refer from Commercial Law; Diplomacy; International law.
Consumption. *See also* Lungs.
Refer from Breathing; Chest; Lungs; Medicine, practice of; Tuberculosis.
Contagion. *See also* Bacteria; Black death; Cholera; Disinfection; Epidemics; Fever; Fumigation; Germ theory; Plague; Putrefaction; Quarantine; Scarlet fever; Smallpox; Typhoid fever; Yellow fever.
Refer from Epidemics; Hygiene, public; Infection; Medicine; Pathology; Putrefaction.
Contemporaries.
Refer from Biography.
Contentment. *See also* Happiness.
Refer from Ethics; Happiness; Pleasure.
Contracts. *See also* Assignments; Bailments; Debt; Deeds; Insurance; Mortgages; Partnership; Principal and agent; Sale.
Refer from Agreements; Commerce; Commercial law; Law; Principal and agent.
Contusions. *See* Bruises.
Conundrums. *See* Riddles.
Conventions. *See* names of political parties, denominations, societies, *etc.*
Convents. *See also* Abbeys; Monasteries; Monasticism; Nunneries.
Refer from Abbeys; Catholic church; Church history; Monasteries; Monasticism; Nunneries; Sisterhoods; Woman.
Conversation. *See also* Table-talk.
Refer from Conduct of life; Language; Rhetoric; Self-culture; Speech; Talking.
Conversion. *See also* Christian life; Mis-

Constipation
Constitutional limitations, s
Constitutional law - U.S.
Consular service - U.S., see U.S. - Diplomatic & consular service

Bacteriology

Continental Congress, see U.S. Cont. cong.

Contracts - Cases
Contracts in restraint of tra

Contributory negligence, se negligence, contrib.

sions; Regeneration; Repentance; Revivals.

Refer from Christian life; Missions; Regeneration; Repentance; Revivals; Salvation; Theology.

Conveyancing. *See also* Deeds; Forms (in law); Real property.

Refer from Commercial law; Deeds; Forms (in law); Law; Property; Real property; Sale; Titles.

Convicts. *See* Criminals.

Cookery. *See also* Baking; Bread; Carving; Coffee; Confectionery; Cooking schools; Desserts; Diet; Dining; Dinners; Domestic economy; Food; Kitchen; Preserving; Salads.

Refer from Arts, useful; Baking; Bread; Carving (meat, etc.); Chemistry; Desserts; Diet; Dining; Domestic economy; Eating; Eggs; Food; Gastronomy; Kitchen; Pastry; Preserving; Receipts; Salads; Table, the; Vegetables.

Cooking schools.

Refer from Cookery; Education.

Cooperation. *See also* Building associations; Communism; Profit-sharing; Socialism; Trade-unions.

Refer from Association; Commerce; Economics; Labor; Profit-sharing; Socialism; Sociology; Trade-unions.

Cooperative building associations. *See* Building associations.

Copyright.

Refer from Authors; Books and reading; Bookselling; Intellectual property; International copyright; Law; Literary property; Literature; Playright; Property; Publishing.

Corn, Indian. *See* Maize.

Corn laws.

Refer from Agriculture; Economics; Law; Tariff.

Coronations. *See also* Crowns.

Refer from Crowns; Monarchy; Rites and ceremonies.

Coroners.

Refer from County officers; Death; Law.

Corporal punishment. *See also* Flogging.

Refer from Education; Flogging; Punishment; Rod, the; Teaching; Whipping.

Corporations. *See also* Bankruptcy; Bonds;

Convict labor

Copper
Copper mines & mining

Corporation law

Clubs; Investments; Municipal corporations; Receivers; Stocks; Trusts.
Refer from Associations; Bonds; Commerce; Commercial law; Joint-stock companies; Law; Partnership; Societies; Sociology; Stock companies; Stocks.

Combinations (law)
Foreign corporations

Corpulence.
Refer from Fat; Food; Obesity.

Correlation of forces. *See* Force.

Correspondence. *See* Commercial correspondence; Letter-writing; Letters.

Corsairs. *See* Pirates.

Cosmetics. *See also* Perfumery; Toilet.
Refer from Beauty, personal; Costume; Toilet.

Cosmogony. *See* Universe.

Cosmography. *See* Universe.

Cosmology. *See* Universe.

Cost. *See also* Prices; Value.
Refer from Economics; Value.

Cost of trying

Costs.
Refer from Actions at law; Law.

Costume. *See also* Arms and armor; Bracelets; Church vestments; Clothing; Cosmetics; Dressmaking; Fan; Fashion; Gloves; Hats; Head-gear; Hosiery; Jewelry; Masks; Millinery; Perfumery; Regalia; Shoes; Toilet; Umbrella.
Refer from Archaeology; Arts, fine; Beauty, personal; Church vestments; Clothing; Dress; Fashion; History; Manners and customs; Millinery; Regalia; Style; Toilet; Woman.

Cottages. *See also* Architecture, domestic.
Refer from Architecture, domestic; Rural architecture; Villas.

Cotton-Growth + manufacture
Cotton worms

Cotton. *See also* Dyeing; Textile fabrics; Weaving.
Refer from Agriculture; Fibres; Textile fabrics; Yarn.

Cough. *See* Bronchitis.

Councils. *See also* Church history; *also* names of places at which councils were held.
Refer from Catholic church; Church councils; Church history; Church law; Church polity; Fathers of the church; Synods.

Counterfeits. *See also* Bank notes; Imposture; Money; Paper money.
Refer from Bank notes; Imposture; Money.

Counterpoint.
Refer from Composition, musical; Harmony; Music.
Country life. *See also* Agriculture; Camping; Gardening; Hunting; Outdoor life; Pastoral poetry; Peasantry; Sports.
Refer from Outdoor life; Rural life.
County officers. *See also* Constables; Coroners; Sheriffs.
Refer from Law; Local government.
Coup d'état. *See* France, *History*.
Courage. *See also* Heroes.
Refer from Ethics.
Court fools. *See* Fools.
Courtesy. *See* Etiquette.
Courts. *See also* Chancery; Jurisdiction; Law; Moot courts.
Refer from Law.
Courts martial. *See also* Military law.
Refer from Law; Military law.
Courtship. *See also* Love; Marriage.
Refer from Love; Marriage.
Covenanters. *See also* Church of Scotland.
Refer from Church history; Church of Scotland; Presbyterianism.
Cow. *See also* Butter; Cattle; Cheese; Dairy; Milk.
Refer from Agriculture; Cattle; Dairy; Domestic animals; Milk.
Cranes.
Refer from Machinery.
Craniology. *See* Skull.
Crayon drawing.
Refer from Drawing.
Creation. *See also* Bible; Earth; Evolution; Geology; God; Man; Religion and science; Universe.
Refer from Bible; Earth; Evolution; Geology; God; Man; Natural religion; Philosophy; Religion and science; Theology; Universe.
Credit. *See also* Banks; Money.
Refer from Banks; Bills of credit; Bills of exchange; Business; Commerce; Debt; Economics; Finance; Money; Speculation.
Creeds. *See also* Apostles' creed; Athanasian creed; Catechisms; Nicene creed; *also* names of sects.
Refer from Belief; Catechisms; Church history; Church membership; Church of England; Confession; Faith; Symbolics; Symbolism (in theology); Theology.

covenants

Creditor's bills

Cremation.
Refer from Burial; Burning the dead; Death; Hygiene, public.
Crests. *See* Heraldry.
Cribbage.
Refer from Cards.
Cricket.
Refer from Ball; Games; Sports.
Crime. *See also* Brigands; Capital punishment; Criminal law; Criminals; Police; Prisons; Punishment; Reformatories; Robbers; Tramps; Trials; Woman, *Law*.
Refer from Criminal law; Criminology; Dangerous classes; Ethics; Felony; Immorality; Law; Police; Political science; Prisons; Punishment; Sin; Sociology; Vice.
Crimean war. *See also* Russia; Turkey, *etc.*
Refer from Eastern question; Russia; Turkey.
Criminal law. *See also* Adultery; Arrest; Assassination; Assault; Bail; Burglary; Capital punishment; Conspiracies; Crime; Criminals; Evidence; Infanticide; Jury; Kidnapping; Law, and references under that subject; Murder; Mutiny; Pirates; Prisons; Prostitution; Punishment; Smuggling; Suicide; Treason; Trials; Woman, *Law*.
Refer from Crime; Law; Punishment.
Criminals.
Refer from Biography; Convicts; Crime; Criminal law; Law.
Criminology. *See* Crime.
Crises. *See* Panics.
Criticism. *See also* Arts, fine; Esthetics; Literature; Music; Rhetoric; *also* the names of arts and literatures.
Refer from Esthetics; Literature; Rhetoric.
Croquet.
Refer from Games.
Cross. *See also* Crucifixion.
Refer from Christian art and symbolism; Crucifixion; Jesus Christ; Legends; Theology.
Croup.
Refer from Breathing; Children, *Diseases*; Medicine, practice of.
Crowns. *See also* Coronations.
Refer from Coronations; Regalia.
Crucifixion. *See also* Cross; Jesus Christ.
Refer from Cross; Punishment.

Cruelty. *See also* Animals, treatment of.
Refer from Ethics.
Crusades. *See also* Children's crusade; Chivalry; Middle ages.
Refer from Chivalry; Church history; History; History, modern; Middle ages.
Crustacea.
Refer from Invertebrates; Marine zoology; Zoology.
Cryptogams. *See also* Algæ; Ferns; Fungi; Lichens; Mosses.
Refer from Botany.
Cryptography. *See* Cipher.
Crypts. *See also* Tombs.
Refer from Church architecture; Tombs.
Crystallography. *See also* Mineralogy.
Refer from Chemistry; Mineralogy.
Culture. *See also* Civilization; Education; Self-culture.
Refer from Civilization; Education; Ethics.
Cuneiform writing.
Refer from Alphabet; Inscriptions; Writing.
Cupping. *See also* Bloodletting.
Refer from Bloodletting; Therapeutics.
Curates.
Refer from Clergy; Ministers (of the gospel); Priests.
Curling.
Refer from Games; Sports.
Currency. *See* Money.
Currents. *See* Electric currents; Ocean; Winds.
Curves. *See also* Circle; Conic sections.
Refer from Conic sections; Engineering; Geometry.
Customs. *See* ~~Manners~~ and customs; Tariff.
Cutaneous diseases. *See* Skin.
Cutlery. *See also* Knives.
Refer from Hardware; Knives; Manufactures; Metal-work.
Cycling.
Refer from Bicycling; Locomotion; Sports; Tricyling; Velocipedes; Wheeling.
Cyclones. *See* Storms.
Cyclopedias.
~~*Refer from* Dictionaries~~; See Encyclopaedias.
Daguerreotype. *See also* Photography.
Refer from Photography.
Dairy. *See also* Butter; Cattle; Cheese; Cow; Domestic animals; Milk.
Refer from Agriculture; Cattle; Cheese; Cow; Domestic economy; Milk.

cultus, Roman

Curiosa - Catalogs

Curves on surfaces

Dairying

Damages.
Refer from Compensation; Injuries; Law; Property.

Dancing. *See also* Ballet; Balls.
Refer from Amusements; Balls (parties); Ethics; Etiquette.

Dangerous classes. *See* Crime; Poor.

Dark ages. *See* Middle ages.

Darwinism. *See* Evolution; Darwin, C.

Dates. *See* Chronology.

Day of judgment. *See* Judgment, day of.

Days. *See also* Birthdays; Fasts and feasts; Holidays; Night.
Refer from Time.

Deaconesses.
Refer from Church polity; Sisterhoods; Woman.

Deacons.
Refer from Church polity; Clergy.

Dead. *See* Death.

Deaf and dumb. *See also* Deafness; Sign language.
Refer from Deafness; Dumb; Ear; Education; Senses; Sign language; Speech.

Deaf & dumb-Asylums & education

Deafness. *See also* Deaf and dumb; Ear.
Refer from Deaf and dumb; Ear; Hearing; Medicine, practice of; Senses.

Death. *See also* Autopsy; Biology; Burial; Consolation; Coroners; Cremation; Embalming; Funerals; Future life; Future punishment; Heaven; Hell; Murder; Purgatory; Resurrection; Suicide.
Refer from Biology; Dead; Ethics; Future life; Life; Theology.

Death penalty. *See* Capital punishment.

Death rate. *See* Mortality; Vital statistics.

Debates. *See* names of legislative bodies, *etc., such as* U. S., *Congress.*

Debating. *See also* Elocution; Oratory; Parliamentary practice.
Refer from Elocution; Oratory.

Debt. *See also* Assignments; Bankruptcy; Credit.
Refer from Bankruptcy; Commercial law; Contracts; Law.

Debts, public. *See also* the division *Finance* under the names of countries; Repudiation.
Refer from Economics; Finance; Repudiation.

Decalogue. *See* Commandments, ten.

Decimal system. *See also* Metric system; Weights and measures.
Refer from Arithmetic; Metric system; Money; Weights and measures.

Declamation. *See* Elocution; Readers and speakers.

Decoration and ornament. *See also* Alphabets; Arabesque; Architecture; Art, ~~fine~~; Bas-relief; Book illustration; Bric-a-brac; Bronzing; Cabinet work; Carving; China painting; Church decoration and ornament; Church furniture; Embroidery; Enamel; Fan; Fancy work; Floral decoration; Frescoes; Furniture; Gems; Glass-painting; House decoration; Illumination; Jewelry; Metal work; Monograms; Mosaics; Painting; Pottery; Sculpture; Tapestry; Terra-cotta; Vases; Wall decoration; Wood-carving.
Refer from Architecture; Arts, fine; Arts, useful; Bric-a-brac; Cabinet work; Design; Drawing; Fancy work; House decoration; Ornament; Painting; Wood-carving.

Decoration day. *See* Memorial day.

Dedication of churches. *See* Church dedication.

Deeds. *See also* Conveyancing.
Refer from Contracts; Conveyancing; Land; Law; Real property.

Deformities. *See also* Monsters.
Refer from Orthopedics; Physiology; Surgery.

Degeneration. *See also* Evolution.
Refer from Evolution; Physiology.

Deism. *See also* Atheism; Christianity; God; Theism.
Refer from Atheism; God; Natural religion; Philosophy; Religion; Skepticism; Theism; Theology.

Deluge, the. *See also* Bible.
Refer from Bible; Earth; Flood, the; Geology.

Delusions. *See also* Apparitions; Blunders; Illusions; Imposture; Superstition; Witchcraft.
Refer from Errors; Hallucinations; Humbug; Illusions; Insanity; Superstition.

Demand and supply. *See also* Competition; Exchange.
Refer from Competition; Economics; Exchange; Supply and demand.

Democracy. *See also* Despotism; Federal government; Liberty; Monarchy; Politi-

Declaration of indepen., see U.S. - Decl. of ind.

Deep sea deposits

cal science; Referendum; Representation; Republics; Suffrage; Town-meeting.

Refer from Despotism; Federal government; Free institutions; Liberty; Monarchy; People; Political science; Presidential government; Republics.

Demonology. *See also* Apparitions; Devil; Witchcraft.

Refer from Angels; Apparitions; Devil; Evil spirits; Ghosts; Spirits; Superstition; Witchcraft.

Denominations. *See* Sects.

Dentistry. *See* Teeth.

Depravity. *See also* Sin.

Refer from Sin; Theology; Total depravity.

Dervishes.

Refer from Mohammedanism; Religions.

Descent. *See* Genealogy; Heredity; Primogeniture.

Deserts.

Refer from Physical geography.

Design. *See* Arts, fine; Decoration; Drawing.

Despotism. *See also* Democracy; Liberty; Tyranny.

Refer from Democracy; Monarchy; Political science; Tyranny.

Desserts. *See also* Cookery.

Refer from Cookery.

Detectives. *See also* Police.

Refer from Police.

Development. *See* Embryology; Evolution.

Devices. *See also* Emblems; Heraldry; Mottoes.

Refer from Emblems; Heraldry; Mottoes.

Devil. *See also* Demonology.

Refer from Demonology; Satan; Superstition; Theology.

Devotion. *See* Devotional exercises; Prayer; Worship.

Devotional exercises. *See also* Church music; Consolation; Hymns; Liturgies; Lord's prayer; Lord's supper; Prayers; Responsive worship; Worship.

Refer from Christian life; Devotion; Meditations; Prayers; Religion; Worship.

Dew.

Refer from Meteorology; Night; Water.

Diagnosis.

Refer from Clinical medicine; Medicine; Pathology; Surgery; Symptoms.

Determinants

Dialects. *See also* Americanisms; Slang.
Refer from Language.
Dialing. *See* Sun-dials.
Dialogues. *See also* Readers and speakers.
Refer from Drama; Literature; Readers and speakers.
Diamonds. *See also* Gems; Mineralogy; Precious stones.
Refer from Gems; Mineralogy; Precious stones.
Dictionaries. For dictionaries of any language or subject see that subject; *also* Classical dictionaries; Cyclopedias.
Diet. *See also* Beverages; Cookery; Digestion; Food; Hygiene; Starvation; Stimulants and narcotics; Vegetarianism.
Refer from Cookery; Digestion; Food; Hygiene; Invalids; Nurses and nursing; Therapeutics.
Digestion. *See also* Diet; Dyspepsia; Stomach.
Refer from Diet; Dyspepsia; Food; Indigestion; Physiology; Stomach.
Dikes (engineering). *See* Earthwork; Embankments.
Dikes (geology).
Refer from Dykes; Geology.
Dining. *See also* Carving; Cookery; Dinners; Drinking customs; Eating; Food; Toasts.
Refer from Cookery; Dinners; Domestic economy; Drinking customs; Eating; Etiquette; Food; Gastronomy; Meals; Table, the.
Dinners. *See also* Dining.
Refer from Cookery; Dining.
Diplomacy. *See also* Ambassadors; Consuls; International law; Treaties.
Refer from Ambassadors; Consuls; International law; Ministers (of state); Political science; Statesmanship; Treaties.
Diplomatics. *See* Inscriptions; Manuscripts; Writing.
Directories. *See* names of cities, countries, *etc.*; *also* of trades, professions, *etc.*
Directory, French. *See* France, *History*.
Disasters. *See* Accidents; Fires; Floods; Shipwrecks.
Discoverers. *See* Discoveries; Explorers.
Discoveries (in geography). *See also* Explorers; Geography; Voyages. Scient. exped.
Refer from Adventure; Discoverers; Ex-

Didymium

Differential invariants

Dipsomania

Discozrachne brevipes Hoek

plorers; Geography; Heroes; Voyages and travels.

Discoveries (in science). *See* Arts, useful; Inventions; Patents; Science.

Disease. *See* Pathology.

Disestablishment. *See also* Church and state; Church of England.

Refer from Church and state; Church of England; Church polity; State church.

Disinfection. *See also* Antiseptics; Fumigation.

Refer from Antiseptics; Cleanliness; Contagion; Fumigation; Hygiene, public; Putrefaction.

Dislocation. *See also* Fracture.

Refer from Bones; Fracture; Joints; Surgery.

Dispensaries. *See also* Hospitals.

Refer from Hospitals.

Dissection. *See also* Anatomy; Autopsy; Vivisection.

Refer from Anatomy.

Dissenters. *See also* Brownists; Church of England; Church rates; Congregationalism; Friends, society of; Nonconformists; Nonjurors; Presbyterianism; Puritans.

Refer from Church history; Church of England; Congregationalism; Liberty of conscience; Nonconformists; Puritans; Sects.

Distillation. *See also* Alcohol; Brandy; Brewing; Liquors.

Refer from Alcohol; Arts, useful; Brandy; Brewing; Chemistry; Evaporation; Liquors; Temperance.

Distribution of animals and plants. *See* Geographical distribution.

Divination. *See also* Clairvoyance; Dreams; Fortune-telling; Omens; Palmistry; Prophecies; Second sight.

Refer from Augury; Fortune-telling; Occult sciences; Omens; Prophecies; Superstition.

Diving. *See also* Pearls; Swimming.

Refer from Baths and bathing; Swimming.

Divinity. *See* Jesus Christ; Theology.

Divinity schools. *See* Theological schools.

Divorce. *See also* Marriage.

Refer from Church law; Ethics; Law; Marriage; Sociology; Woman, *Law*.

Docks. *See also* Harbors; Wharves.

Refer from Commerce; Dry docks;

Dispensatories

Dissertations, Academic—

Dissociation (Chemistry)

Disulphones

Engineering; Harbors; Hydraulic engineering; Wharves.

Doctors. *See* Physicians.

Doctrines. *See* Theology.

Documents. *See* under name of body issuing, as U. S., *Congress;* Massachusetts, *Labor bureau, etc.*

Dog. *See also* Hydrophobia; *also* names of varieties of dogs.

Refer from Domestic animals; Hunting; Hydrophobia; Mammals.

Dogmatic theology. *See* Theology.

Dolls.

Refer from Amusements; Toys.

Domes.

Refer from Architecture; Roofs; Vaulting.

Domestic animals. *See also* Barns; Cage birds; Cat; Cattle; Cow; Dog; Domestication; Hog; Horse; Ox; Pigeons; Poultry; Sheep; Stables; Veterinary medicine; Zoology.

Refer from Agriculture; Animals; Beasts; Breeding; Cattle; Dairy; Domestication; Horse; Live Stock; Mammals; Pets; Quadrupeds; Stock breeding; Veterinary medicine; Zoology.

Domestic architecture. *See* Architecture, domestic.

Domestic economy. *See also* Arts, useful; Brewing; Carving; Cleanliness; Cookery; Dairy; Dining; Dressmaking; Family; Fancy work; Food; Fuel; Furniture; Gardening; Guests; Heating; Home; House decoration; Household pests; Kitchen; Laundry; Needlework; Receipts; Servants; Sweeping; Ventilation.

Refer from Agriculture; ~~Arts, useful~~; Indus. arts Cookery; Domestic science; Family; Home; Household science; Housekeeping; Kitchen; Sweeping; Woman.

Domestic education. *See also* Children; Education; Family.

Refer from Education; Family; Home education; Parents.

Domestic relations. *See* Family; Marriage; Master and servant.

Domestic science. *See* Domestic economy.

Domestication. *See also* Animals, training of; Domestic animals.

Refer from Animals, training of; Domestic animals; Zoology.

Domestics. *See* Servants.

Dominicans.
Refer from Monasticism.
Dominoes.
Refer from Games.
Doors. *See also* Gates.
Refer from Architecture.
Doubt. *See* Belief; Faith; Skepticism.
Drafting. *See* Conscription; Drawing.
Drainage. *See also* Irrigation. For the drainage of towns and buildings. *see* Sewerage. Waters - Law
Refer from Agriculture; Engineering; Hydraulic engineering; Irrigation; Land-drainage; Sewerage.
Drama. *See also* Acting; Actors; Actresses; Amateur theatricals; Charades; Dialogues; Dramatists; Masks; Miracle-plays; Opera; Pantomime; Tableaux; Theatre.
Refer from Acting; Comedy; Literature; Miracle-plays; Plays; Poetry; Rhetoric; Stage; Theatre; Tragedy.
Dramatists.
Refer from Authors; Biography; Drama; Poets.
Draughting. *See* Drawing.
Draughts. *See* Checkers.
Drawing. *See also* Anatomy for artists; Architectural drawing; Caricature; Charcoal drawing; Crayon drawing; Decoration and ornament; Geometrical drawing; Graphics; Map drawing; Mechanical drawing; Perspective; Projection; Shadows; Topographical drawing.
Refer from Art, ~~fine~~; Design; Drafting; Draughting; Graphic arts; Manual training; Painting; Perspective; Sculpture; Sketching.
Drawings.
Refer from Pictures.
Dreams. *See also* Apparitions; Fortune-telling; Nightmare; Sleep.
Refer from Brain; Divination; Fortune-tellers; Fortune-telling; Mind and body; Night; Nightmare; Psychology; Sleep; Somnambulism; Superstition; Visions.
Dredging. *See also* Marine zoology; Ocean.
Refer from Engineering; Marine zoology; Ocean.
Dress. *See* Clothing; Costume; Dressmaking.
Dressmaking. *See also* Needlework.
Refer from Clothing; Costume; Domestic economy; Dress; Needlework.

Drill. *See* Military art and science; Tactics.
Drinking customs. *See also* Dining; Eating; Temperance; Toasts.
Refer from Dining; Drunkenness; Eating; Manners and customs; Temperance.
Drinks. *See* Beverages; Liquors.
Driving. *See also* Coaching; Horsemanship.
Refer from Coaching; Horse-; Horsemanship; Riding; Sports.
Drowning. *See also* Accidents; Life-saving.
Refer from Accidents; Life-saving.
Drugs. *See also* Adulterations; Materia medica; Pharmacy.
Refer from Adulterations; Materia medica; Pharmacy; Therapeutics.
Drummers. *See* Commercial travelers.
Drunkenness. *See* Drinking customs; Temperance.
Dry docks. *See* Docks.
Dry-goods. *See also* Clothing; Hosiery; Textile fabrics.
Refer from Commerce; Textile fabrics.
Dueling. *See also* Wager of battle.
Refer from Ethics; Fencing; Manners and customs.
Duets.
Refer from Music.
Dumb. *See* Deaf and dumb.
Dungeons. *See* Prisons.
Duties. *See* Tariff.
Duty. *See also* Conduct of life; Ethics.
Refer from Conduct of life; Ethics.
Dwarfs.
Refer from Man; Monsters; Pigmies; Pygmies.
Dwellings. *See* Architecture, domestic.
Dyes & Dyeing. *See also* Aniline colors; Bleaching; Calico-printing; Cleaning; Color.
Refer from Aniline colors; Arts, useful; Bleaching; Chemistry; Cleaning; Color; Cotton; Pigments; Scouring; Textile fabrics; Wool.
Dykes. *See* Dikes (geology); Earthwork; Embankments.
Dynamics. *See* Force; Matter; Mechanics; Motion; Statics.
Dynamos. *See also* Electric motors.
Refer from Electric motors; Electricity; Motors.
Dyspepsia. *See also* Digestion.
Refer from Digestion; Medicine, practice of.

× Drilling machinery
Dry-rot
Dynamics, Rigid
Dysentery

Ear. *See also* Deaf and dumb; Deafness; Hearing; Sound.
Refer from Anatomy; Deafness; Head; Hearing; Senses; Sound.

Earth. *See also* Antarctic regions; Arctic regions; Astronomy; Creation; Deluge; Earthquakes; Geodesy; Geography; Geology; Latitude; Longitude; Meteorology; Mines and mining; North pole; Physical geography; Tropics; Volcanoes.
Refer from Astronomy; Creation; Figure of the earth; Geodesy; Geography; Geology; Nature; Physical geography; Planets; Universe; World.

Earthquakes. *See also* Geology; Volcanoes.
Refer from Earth; Geology; Physical geography; Seismology; Volcanoes.

Earthwork. *See also* Embankments; Fortification; Foundations.
Refer from Dikes (engineering); Dykes; Embankments; Engineering; Excavations; Fortification; Foundations; Railroads.

Easements.
Refer from Land; Law; Real property.

Easter. *See also* Carols.
Refer from Fasts and feasts; Holy week; Jesus Christ; Lent.

Eastern churches. *See also* Greek church; Nestorians.
Refer from Church history.

Eastern question. *See also* Asia; Crimean war; Russia; Turkey; *and* other eastern countries.
Refer from History.

Eating (customs). *See also* Cookery; Dining; Drinking customs; Food.
Refer from Dining; Drinking customs; Food; Gastronomy; Manners and customs; Meals; Table, the.

Ecclesiastical. *See* Christian; Church.

Ecclesiastical antiquities. *See* Church antiquities.

Ecclesiastical architecture. *See* Church architecture.

Ecclesiastical art. *See* Christian art.

Ecclesiastical biography. *See* Christian biography.

Ecclesiastical ceremonies. *See* Rites and ceremonies.

Ecclesiastical costume. *See* Church vestments.

Earthworms, see also Allolobophora foetida (Sav.)

Ecclesiastical fasts and feasts. *See* Fasts and feasts.

Ecclesiastical furniture. *See* Church furniture.

Ecclesiastical history. *See* Church history.

Ecclesiastical law. *See* ~~Church~~ Canon law.

Ecclesiastical polity. *See* Church polity.

Eclipses. *See also* Astronomy; Moon; Sun. *Refer from* Astronomy; Moon; Sun.

Eclipses, Solar - Eclipse of 1901

Eclogues. *See* Pastoral poetry.

Economics. *See also* Apprentices; Banks and banking; Capital; Charities; Commerce; Communism; Competition; Co-operation; Corn laws; Cost; Credit; Debts, public; Demand and supply; Exchange; Factory system; Finance; Gilds; Individualism; Interest; Investments; Labor; Land; Manufactures; Money; Monopolies; Panics; Poor; Population; Precious metals; Prices; Profit-sharing; Property; Rent; Socialism; Speculation; Statistics; Stock exchange; Stocks; Strikes and lockouts; Tariff; Taxation; Trade-unions; Trusts; Value; Wages; Wealth; *Refer from* Business; Commerce; Labor; Political economy; Political science; Prices; Science; Social science; Socialism; Sociology; Tariff; Taxation; Wealth.

Land tenure
Leisure class

names of countries & states, subhead, Econ. conc

Economy, see Providence & thrift

Education. *See also* Agricultural education; Art education; Bible in the schools; Blind; Business education; Charity schools; Child study; Children; Classical education; Colleges and universities; Compulsory education; Cooking schools; Corporal punishment; Culture; Deaf and dumb; Domestic education; Ethics; Examinations; Grammar schools; Gymnastics; High schools; Kindergarten; Knowledge; Libraries; Lyceums; Manual training; Medical education; Memory; Military education; Moral education; Musical education; Nature study; Normal schools; Object-teaching; Physical education; Psychology; Public schools; Ragged schools; Reformatories; Religious education; School-houses; School hygiene; School music; Schools; Scientific education; Self-culture; Students; Sunday schools; Teachers; Teaching; Technical education; Text-books; Theological education; University extension;

Education, Secondary
Education of women
Education, higher
Education of children
Education, Mediaeval.
" ; Technical, see Tech. educ.
" U.S.

Woman; Young people; *also* names of studies.
Refer from Children; Civilization; Colleges and universities; Culture; Domestic education; Ethics; Girls; Knowledge; Learning; Mental discipline; Psychology; Public schools; Schools; Self-culture; Sociology; Students; Teachers; Teaching; Training; Young people.

Eggs. *See also* Birds; Cookery; Embryology; Poultry.
Refer from Birds; Nests; Oology; Poultry.

Eight hour day. *See* Hours of labor.

Elasticity. *See also* Strength of materials.
Refer from Strength of materials.

Elections (~~in politics~~). *See also* Ballot; Caucus; Citizenship; Minorities; Representation; Suffrage. Subdiv. by country etc.
Refer from Ballot; Caucus; Political science; Suffrage; Voting. U. S. - Pol. & govt.

Election (in theology). *See* Predestination.

Electric batteries. *See also* Cell, voltaic; Storage batteries.
Refer from Batteries; Cell, voltaic; Primary batteries.

Electric bells.
Refer from Bells.

Electric currents. *See also* Electric measurement; Electric potential; Electric testing; Electric transformers. Alternating currents
Refer from Alternating currents; Currents; Electric potential; Electric transformers.

Electric engineering. *See also* Armatures; Electricity; Telegraph; *also* headings beginning with Electric.
Refer from Arts, useful; Engineering; Machinery.

Electric lamps. *See also* Electric light.
Refer from Arc lamps; Electric light; Incandescent lamps; Lamps.

Electric light. *See also* Electric lamps; Electric wires.
Refer from Electric lamps; Light; Lighting.

Electric measurement. *See also* Electric testing; Galvanometer.
Refer from Electric currents; Electric testing; Galvanometer; Units; Weights and measures.

Electric motors. *See also* Dynamos.
Refer from Dynamos; Motors.

Electric automobile, see Automobile, Elect

Electric central stations

Electric discharges through gas

Electric heating

Electric fire alarm systems

Electric police patrol systems

Electric potential. *See also* Electric currents.
Refer from Electric currents; Potential.
Electric railroads. *See also* Storage batteries.
Refer from Railroads; Street-railroads.
Electric telegraph. *See* Telegraph.
Electric testing. *See also* Electric measurement.
Refer from Electric currents; Electric measurement; Testing.
Electric transformers. *See also* Electric currents.
Refer from Electric currents; Transformers.
Electric waves.
Refer from Waves.
Electric wires.
Refer from Cables; Electric light; Telegraph; Wire.
Electrical. *See* Electric.
Electricians.
Refer from Biography; Scientists.
Electricity. *See also* Animal electricity; Armatures; Cell, voltaic; Commutators; Dynamos; Electrotherapeutics; Induction coils; Lightning; Magnetism; Medical electricity; Phonograph; Telegraph; Telephone; X rays; *also* headings beginning with Electric, Electro.
Refer from Electric engineering; Galvanism; Lightning; Magnetism; Meteorology; Physics; Voltaic electricity.
Electrochemistry. *See also* Electrometallurgy.
Refer from Chemistry.
Electromagnets. *See also* Armatures; Commutators.
Refer from Magnetism.
Electrometallurgy.
Refer from Electrochemistry; Galvanoplasty; Metals.
Electroplating.
Refer from Plating; Silverplating.
Electrotherapeutics.
See Medical electricity.
Electrotyping.
Refer from Printing.
Elegiac poetry.
Refer from Poetry.
Elocution. *See also* Debating; Eloquence; Expression; Gesture; Orations; Orators; Oratory; Preaching; Pronunciation;

Electric welding

Alternating currents
Electricity-Dictionaries.
Electricity-Laws & legislation

Electrolysis

Readers and speakers; Rhetoric; Ventriloquism; Voice.
Refer from Debating; Declamation; Eloquence; Expression; Gesture; Language; Oratory; Reading; Rhetoric; Speaking; Speech; Voice.

Eloquence. *See also* Elocution; Oratory.
Refer from Elocution; Oratory; Rhetoric.

Elves. *See* Fairies.

Emancipation. *See* Catholic church; Slavery; Woman, *etc.* U.S. - Hist. - Civil war.

Embalming. *See also* Mummies.
Refer from Burial; Death; Mummies.

Embankments. *See also* Earthwork.
Refer from Dikes (engineering); Dykes; Earthwork; Engineering; Hydraulic engineering; Rivers.

Embargo laws.
Refer from Commerce; International law.

Emblems. *See also* Christian art and symbolism; Devices; Symbolism.
Refer from Devices; Literature; Symbolism.

Embroidery. *See also* Needlework.
Refer from Arts, fine; Decoration and ornament; Fancy work; Needlework; Textile fabrics.

Embryology. *See also* Biology; Cells.
Refer from Biology; Cells; Development; Eggs; Evolution; Morphology; Physiology; Protoplasm; Zoology.

Emergencies. *See* Accidents.

Emigration. ~~*See*~~ Immigration. See also names of countries, subhead Em. & I.

Emotions. *See also* Ethics; Pain; Passions; Pleasure; Psychology.
Refer from Ethics; Feelings; Passions; Philosophy; Psychology.

Emperors.
Refer from Biography; Kings; Monarchy; Rulers; Sovereigns.

Enamel.
Refer from Arts, fine; Decoration and ornament.

Encyclopaedias. ~~*See* Cyclopedias~~; *also* name of subject treated.

Endless punishment. *See* Future punishment.

Energy. *See* Force.

Engineering. *See also* Aerial navigation; Aqueducts; Arches; Architecture; Arts, ~~useful~~; Blasting; Boring; Breakwaters; Bridges; Building materials; Canals; Curves; Docks; Drainage; Dredging; Earthwork; Electric engineering; Em-

Eminent domain

Engineering - Study & teaching

bankments; Engineers; Engines; Foundations; Geometrical drawing; Girders; Harbors; Hydraulic engineering; Irrigation; Machinery; Masonry; Mechanical drawing; Mechanics; Mensuration; Military engineering; Mines and mining; Railroads; Roads; Sanitary engineering; Statics; Steam-engine; Strength of materials; Subways; Surveying; Tunnels; Walls; Water-supply; Wells.

Refer from Arts, useful; Building; Civil engineering; Hydraulic engineering; Machinery; Mathematics; Mechanical engineering; Mechanics; Military engineering; Mines and mining; Railroads; Surveying.

Engineers.

Refer from Biography; Engineering.

Engines. *See also* Air-engine; Fire-engine; Fuel; Gas-engine; Locomotives; Pumps; Steam-engine.

Refer from Engineering; Machinery; Motors.

England, church of. *See* Church of England.

Engravers. *See also* Artists.

Refer from Artists; Biography.

Engraving. *See also* Arts, fine; Bank notes; Book illustration; Engravings; Esthetics; Etching; Gems; Lithography; Photo-engraving; Wood-engraving.

Refer from Arts, ~~fine~~; Arts, useful; Book illustration; Etching; Graphic arts.

Engravings. *See also* Etchings.

Refer from Engraving; Pictures; Prints.

Enigmas. *See also* Riddles.

Refer from Amusements; Puzzles; Riddles.

Ensilage.

Refer from Agriculture; Silos.

Enteric fever. *See* Typhoid fever.

Entertainments. *See* Amusements.

Entomology. *See* Insects.

Environment. *See also* Evolution.

Refer from Evolution.

Ephemerides. *See* Nautical almanacs.

Epic poetry.

Refer from Poetry.

Epicureans.

Refer from Ethics; Philosophy.

Epidemics. *See also* Black death; Cholera;

English fiction, see also American fiction

English authors, see Authors, English

" lakes, see Lakes-England

English sonnets

English poetry - Criticism.

English literature - Collections

English satire.

" orations

Engravers

Engravings - Catalogs

Contagion; Fever; Plague; Smallpox; Yellow fever.
Refer from Contagion; Hygiene, public; Pathology; Plague.

Epigrams. *See also* Maxims; Proverbs; Quotations; Table-talk; Toasts.
Refer from Aphorisms; Apothegms; Literature; Maxims; Poetry; Proverbs; Quotations; Sayings; Wit and humor.

Epigraphy. *See* Inscriptions; Writing.

Episcopacy. *See also* Apostolic succession; Archbishops; Bishops; Catholic church; Church of England; Methodism; Ordination; Protestant episcopal church.
Refer from Apostolic succession; Bishops; Catholic church; Church history; Church of England; Church polity; Methodism; Protestant episcopal church.

Episcopal church. *See* Church of England; Methodist episcopal church; Protestant episcopal church.

Epitaphs. *See also* Brasses.
Refer from Archaeology; Biography; Burial; Cemeteries; Inscriptions; Literature; Tombs; Tombstones.

Equations. *See also* Algebra.
Refer from Algebra; Mathematics.

Equilibrium. *See* Statics.

Equilibrium, Chemical, see Phase rul equilibrium

Equinoxes.
Refer from Astronomy.

Equity. *See also* Actions at law; Chancery.
Refer from Actions at law; Chancery; Law.

Equity-Cases

Erosion. *See also* Glaciers; Valleys.
Refer from Geology; Glaciers; Physical geography; Rivers; Valleys; Water.

Erioqonum

Erratics. *See* Boulders.

Errors. *See* Blunders; Delusions; Probabilities.

Escapes. *See also* Adventure.
Refer from Adventure.

Eschatology. *See* Future life.

Esoteric Buddhism. *See* Theosophy.

Essays.
Refer from Literature.

Essences + essential oils

Essenes.
Refer from Jews; Religions.

Esters

Esthetics. *See also* Art; ~~Arts, fine~~; Criticism; Grotesque; Landscape; Music; Picturesque.
Refer from Aesthetics; Art; ~~Arts, fine~~; Beautiful, the; Criticism; Engraving; Painting; Philosophy; Picturesque;

Estoppel

Psychology; Rhetoric; Sculpture; Taste. Literature. Music

Etching. *See also* Engraving; Etchings.
Refer from Art, ~~fine~~; Engraving.

Etchings. Etchings-Catalogs
Refer from Engravings; Etching; Pictures.

Eternal life. *See* Future life.

Eternity. *See also* Future life.
Refer from Future life; Philosophy; Time.

Ether. (Chemistry) *See also* Anesthetics Anesthesia
Refer from Anesthetics.

Ethics. *See also* Affliction; Amusements; Animals, treatment of; Capital punishment; Celibacy; Character; Charity; Chastity; Children; Christian life; Civilization; Commandments, ten; Compromise; Conscience; Consolation; Contentment; Courage; Crime; Cruelty; Culture; Dancing; Death; Divorce; Dueling; Duty; Education; Emotions; Epicureans; Etiquette; Evil; Family; Fiction; Friendship; Gambling; Girls; Habit; Happiness; Heredity; Home; Interest; Law; Liberty; Liberty of conscience; Liberty of the will; Lotteries; Love; Lying; Manners and customs; Marriage; Moral education; Oaths; Parents; Passions; Patience; Patriotism; Peace; Philosophy; Pleasure; Political science; Poor; Progress; Religion; Repentance; Self-culture; Sin; Slave-trade; Slavery; Sociology; Solitude; Soul; Stoics; Success; Suicide; Sunday; Swearing; Temperance; Temptation; Theatre; Truth; Utilitarianism; Virtue; Vivisection; Will; Woman; Young men; Young people; Young women; Social ethics
Refer from Character; Civilization; Conduct of life; Duty; Education; Emotions; Family; Immorality; Life; Man; Moral philosophy; Natural religion; Philosophy; Philosophy, moral; Psychology; Religion; Right and wrong; Science; Sociology; Theology; Vice; Virtue; Will.

Ethics, practical. *See* Conduct of life.

Ethnography. *See* Ethnology.

Ethnology. *See also* Archaeology; Aryans; Cannibalism; Climate; Color of man; Consanguinity; Evolution; Folk-lore; Gipsies; Indians; Lake-dwellings; Lan-

Ether, Compound, see also Esters

Ether (Physics)

Ethics, Social, see Social ethics

Ethine, see Acetylene

guage; Man; Mound-builders; Mythology; Negroes.
Refer from Anthropology; Archaeology; Ethnography; Geography; History; Man; Races of man; Science.

Etiquette. *See also* Dancing; Dining; Letter-writing; Marriage.
Refer from Behavior; Ceremonies; Conduct of life; Courtesy; Ethics; Ladies; Manners; Manners and customs; Politeness; Self-culture; Society; Sociology; Usages; Woman.

Etymology. *See also* Names; Words; *also* names of languages.
Refer from Grammar; Language; Words.

Eucharist. *See* Lord's supper.

Euchre.
Refer from Cards.

Evangelists. *See* Apostles; Bible; Missionaries.

Evaporation. *See also* Distillation.
Refer from Chemistry; Meteorology; Vapor.

Evergreens. *See also* Forestry; Trees.
Refer from Forestry; Landscape gardening; Trees.

Evidence. *See also* Certainty; Logic.
Refer from Actions at law; Circumstantial evidence; Criminal law; Faith; Law; Logic; Philosophy; Proof; Testimony; Trials; Witnesses.

Evidences of Christianity. *See* Christianity.

Evidences of the Bible. *See* Bible.

Evil. *See also* Sin; Temptation.
Refer from Ethics; Religion; Temptation; Theology.

Evil spirits. *See* Demonology.

Evolution. *See also* Biology; Color of animals; Color of flowers; Creation; Degeneration; Embryology; Environment; Heredity; Man; Religion and science; Species.
Refer from Biology; Botany; Creation; Darwinism; Degeneration; Development; Environment; Ethnology; Geology; Heredity; Man; Materialism; Natural history; Natural selection; Origin of species; Philosophy; Religion and science; Science; Species; Variation of species; Zoology.

Ex libris. *See* Bookplates.

Examinations. *See also* Civil service.
Refer from Civil service; Competitive examinations; Education; Teaching.

Eugenics, see also Marriage, Heredity

Excavations. *See* Archaeology; Earthwork.
Exchange. *See also* Demand and supply; Money; Stocks. Clearing-house
Refer from Banks; Bills of exchange; Business; Cambistry; Commerce; Commercial law; Demand and supply; Economics; Finance; Foreign exchange; Money; Negotiable instruments.
Excommunication.
Refer from Catholic church; Church polity.
Executive power. *See also* Monarchy; Presidents.
Refer from Political science; Presidents.
Executors. *See* Administrators and executors.
Exercise. *See also* Gymnastics; Physical education; Training.
Refer from Hygiene; Physical education; Therapeutics.
Exhibitions. *See also* Agricultural exhibitions; Art galleries; Museums.
Refer from Arts, fine; Arts, useful; Expositions; Industrial exhibitions; International exhibitions; Museums; World's fairs.
Exorcism. *See* Witchcraft.
Experiments. *See* Chemistry; Physics, *etc.*
Explorers. *See also* Discoveries; Geography; Travelers; Voyages. Scientific expeditions. The West
Refer from Adventure; Biography; Discoverers; Discoveries (in geography); Geography; Heroes; Travelers; Voyages and travels. names of explorers; names of countries, subhead, Exploring expeditions
Explosions. *See also* Boilers.
Refer from Accidents.
Explosives. *See also* Blasting; Guncotton; Gunpowder; Torpedoes.
Refer from Blasting; Chemistry; Gunnery; Military art and science; Mines and mining.
Exportation. *See also* Commerce; Tariff; Transportation (of criminals).
Refer from Commerce; Tariff.
Expositions. *See* Exhibitions.
Expression. *See also* Anatomy for artists; Elocution; Physiognomy; Rhetoric.
Refer from Acting; Anatomy for artists; Elocution; Face.
Eye. *See also* Blind; Color-blindness; Light; Sight; Spectacles.
Refer from Anatomy; Face; Head; Light; Ophthalmia; Senses; Sight; Vision.

Expectoration
Expeditions, see Sci. ex.

Exposition, see Eng. lang.-comp.

Eye-Diseases & defects.

Fables.
Refer from Animals, legends and stories of; Fiction; Literature; Parables.
Face. *See also* Color of man; Expression; Eye; Mouth; Nose; Physiognomy.
Refer from Head.
Facetiæ. *See* Wit and humor.
Factories. *See also* Factory system; Mills.
Refer from Arts, useful; Manufactures; Mills.
Factors. *See* Agents.
Factory system.
Refer from Economics; Factories; Labor; Manufactures.
Faience. *See* Pottery.
Fairies. *See also* Fairy tales.
Refer from Elves; Fairy tales; Goblins; Superstition.
Fairs.
Refer from Amusements; Commerce.
Fairy tales. *See also* Fairies; Folk-lore.
Refer from Fairies; Fiction; Folk-lore; Legends; Literature; Mythology; Stories.
Faith. *See also* Agnosticism; Belief; Certainty; Creeds; Evidence; Justification; Religion; Sects; Skepticism; Theology; Truth.
Refer from Belief; Certainty; Christian life; Doubt; Justification; Religion; Theology.
Faith-cure. *See also* Christian science; Mind and body; Subconsciousness.
Refer from Mind-cure; Subconsciousness; Therapeutics.
Falconry.
Refer from Birds; Fowling; Hawking; Hunting; Sports.
Fall. *See* Autumn.
Fall of man. *See also* Sin.
Refer from Bible; Paradise; Sin; Temptation; Theology.
Fallacies. *See also* Logic.
Refer from Logic.
Falling stars. *See* Meteors.
Falls. *See* Waterfalls.
Families. *See* Genealogy.
Family. *See also* Children; Domestic economy; Domestic education; Ethics; Fathers; Home; Husbands; Marriage; Mothers; Parents; Widows; Wives; Woman.
Refer from Children; Domestic economy; Domestic education; Domestic rela-

tions; Ethics; ~~Family~~; Home; Husbands; Man; Parents; Sociology; Wives; Woman.

Family prayer. *See* Prayer; Prayers.

Famines. *See also* Starvation.
Refer from History; Starvation.

Fan.
Refer from Costume; Decoration and ornament.

Fanaticism. *See also* Persecution.
Refer from Religion; Theology.

Fancy work. *See also* Artificial flowers; Decoration and ornament; Embroidery; Knitting; Lace; Leather work; Needlework.
Refer from Decoration and ornament; Domestic economy; House decoration; Knitting; Needlework; Woman.

Farming. *See* Agriculture.

Farriery. *See* Horse.

Fashion. *See also* Costume.
Refer from Costume; Style.

Fasting. *See also* Asceticism; Lent; Starvation.
Refer from Abstinence; Asceticism; Theology.

Fasts and feasts. *See also* Advent; Ash Wednesday; Christmas; Easter; Festivals; Good Friday; Holidays; Holy week; Lent; Sunday; Thanksgiving day.
Refer from Catholic church; Church antiquities; Church ceremonies; Church festivals; Church of England; Church polity; Days; Ecclesiastical fasts and feasts; Feasts; Festivals; Holidays; Protestant episcopal church in the U. S.; Religion; Religious festivals; Rites and ceremonies.

Fat. *See* Corpulence; Oil.

Fate. *See also* Fortune-telling.
Refer from Philosophy.

Fathers. *See also* Children; Parents.
Refer from Children; Family; Husbands; Parents.

Fathers of the church. *See also* Apocryphal gospels; Apostolic constitutions; Apostolic fathers; Councils; Saints.
Refer from Apostolic fathers; Biography; Catholic church; Christian biography; Church fathers; Church history; Patristics; Saints; Theology.

Fauna. *See* Zoology.

Fauns.
Refer from Mythology.

Far East, see East (Far Eas

Farmer's institutes

Fat, Chemistry of

Fat necrosis

Fayence. *See* Pottery.
Feasts. *See* Fasts and feasts.
Federal government. *See also* Democracy; Republics; Secession. U.S.-Pol. & govt.
Refer from Democracy; Free institutions; Political science; Republics.
Feeble-minded. *See* Idiocy.
Feeling. *See* Touch.
Feelings. *See* Emotion.
Feet. *See* Foot.
Felony. *See* Crime.
Female. *See* Woman.
Fences. *See also* Gates.
Refer from Architecture.
Fencing. *See also* Dueling; Sword.
Refer from Amusements; Military art and science; Sports; Sword.
Fenians. *See also* Ireland, *History*.
Refer from Secret societies.
Fermentation. *See also* Bacteria.
Refer from Bacteria; Chemistry; Liquors.
Ferns.
Refer from Botany; Cryptogams; Filices.
Ferries.
Refer from Inland navigation; Transportation.
Fertilization of plants. *See also* Color of flowers.
Refer from Botany; Color of flowers; Flowers; Insects.
Fertilizers. *See also* Agricultural chemistry; Manures; Phosphates.
Refer from Agricultural chemistry; Agriculture; Manures.
Festivals. *See also* Fasts and feasts; Holidays; Pageants; Processions.
Refer from Amusements; Fasts and feasts; Religious festivals.
Fetishism. *See also* Idolatry.
Refer from Idolatry; Superstition; Worship.
Feudalism. *See also* Chivalry; Middle ages.
Refer from Chivalry; Knighthood; Land; Law; Middle ages; Political science; Sociology; Vassals.
Fever. *See also* Bilious fever; Hay-fever; Malarial fever; Scarlet fever; Typhoid fever; Typhus fever; Yellow fever.
Refer from Contagion; Epidemics; Pathology.
Fibres. *See also* Cotton; Flax; Hemp; Silk; Textile fabrics; Wool.
Refer from Hemp; Linen; Textile fabrics.
Fiction. *See also* Allegories; Fables; Fairy

Reconstruction
Feeding stuffs
Fever, Thermic, see Heatstroke

tales; Historical fiction; Legends; Novelists; Romances. Amer. fict., German fiction. Eng. fiction
Refer from Ethics; Literature; Novels; Romance; Romances; Stories.

Fictitious names. *See* Pseudonyms.

Fiddle. *See* Violin.

Field-sports. *See* Hunting; Sports.

Fighting. *See* Boxing; Bull fights; Gladiators; Military art and science; Naval art and science; Tournaments.

Figure of the earth. *See* Earth; Geodesy.

Figure painting. *See also* Anatomy for artists.
Refer from Anatomy for artists; Human figure; Painting.

Filibusters. *See* Buccaneers.

Filices. *See* Ferns.

Finance. *See also* Banks; Bimetallism; Bonds; Commerce; Credit; Debts, public; Exchange; Interest; Investments; Loans; Money; Panics; Prices; Repudiation; Stocks; Tariff; Taxation; Wealth. Subd. by country etc.
Refer from Banks; Bimetallism; Bonds; Business; Commerce; Economics; Funds; History; Income, public; Loans; Money; Paper money; Political science; Revenue; Taxation; Wealth.

Finding lists. *See* Library catalogs.

Fine arts. *See* Art, ~~fine~~.

Finger rings. *See* Rings.

Finite. *See* Infinite.

Fire. *See also* Combustion; Fires; Fuel; Heat; Heating; Smoke.
Refer from Chemistry; Combustion; Heat.

Fire-engine.
Refer from Engines; Fires; Steam-engine.

Fire-insurance. *See* Insurance.

Fire-worshipers. *See also* Parsees.
Refer from Worship.

Firearms. *See also* Ammunition; Arms and armor; Arsenals; Artillery; Gun; Guncotton; Gunnery; Gunpowder; Ordnance; Pistol; Projectiles; Rifle; Shooting.
Refer from Ammunition; Arms and armor; Gun; Gunnery; Military art and science; Ordnance; Projectiles; Rifle; Weapons.

Fires. *See also* Chimneys; Fire-engine; Insurance.
Refer from Conflagrations; Disasters; Fire; Life-saving.

Fireworks.
Refer from Pyrotechnics.
Fish. *See also* Aquarium; Fish-culture; Fisheries; Fishing.
Refer from Fisheries; Ichthyology; Marine zoology; Vertebrates; Zoology.
Fish-culture.
Refer from Fish; Pisciculture.
Fisheries. *See also* Fish; Fishing; Seal.
Refer from Arts, useful; Fish.
Fishing. *See also* Game laws.
Refer from Angling; Fish; Fisheries; Hunting; Outdoor life; Sports.
Flagellation. *See* Flogging.
Flags.
Refer from Banners; Heraldry; Military art and science; Signals; Standards.
Flats. *See* Apartment houses.
Flax. *See also* Linen.
Refer from Agriculture; Fibres; Linen; Textile fabrics; Yarn.
Flight. *See also* Aerial navigation; Animal locomotion; Birds; Wings.
Refer from Aerial navigation; Animal locomotion; Birds; Flying; Locomotion; Wings.
Flogging. *See also* Corporal punishment.
Refer from Corporal punishment; Flagellation; Punishment; Rod, the; Whipping.
Flood, the. *See* Deluge.
Floods.
Refer from Disasters; History; Inundations; Rivers.
Floors. *See also* Carpets; Mosaics; Pavements; Sweeping.
Refer from Architecture; Carpentry.
Flora. *See* Botany.
Floral decoration. *See also* Church decoration and ornament.
Refer from Church decoration and ornament; Decoration and ornament; Flowers.
Floriculture. *See also* Annuals; Bulbs; Flowers; Gardening; Greenhouses; Orchids; Window-gardening. spraying
Refer from Agriculture; Arts, useful; Botany; Flowers; Gardening; Horticulture; Plants; Window-gardening.
Flour.
Refer from Bread; Food; Manufactures; Wheat.
Flowers. *See also* Artificial flowers; Botany; Buds; Color of flowers; Fertilization of

Fixtures

plants; Floral decoration; Floriculture; Gardening; Odors; Orchids; Wax flowers; Window-gardening.

Refer from Botany; Floriculture; Plants.

Fluids. *See also* Gases; Hydraulic engineering; Liquids; Mechanics.

Refer from Hydraulic engineering; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Liquids; Mechanics; Physics.

Fluxions. *See* Calculus.

Flying. *See* Flight.

Flying-machines. *See* Aerial navigation.

Fog.

Refer from Meteorology; Water.

Folk-lore. *See also* Fairy tales; Folk-songs; Legends; Manners and customs; Mythology; Sagas; Superstition.

Refer from Archaeology; Ethnology; Fairy tales; Folk-songs; Legends; Literature; Man; Manners and customs; Mythology; People; Sagas; Superstition; Traditions.

Folk-songs. *See also* Ballads; Folk-lore; National songs; Songs.

Refer from Ballads; Folk-lore; National songs; Songs.

Fonts. *See* Baptismal fonts.

Food. *See also* Adulterations; Alcohol; Animal food; Beverages; Bread; Butter; Cannibalism; Cookery; Corpulence; Diet; Digestion; Dining; Eating; Flour; Fruit; Grain; Groceries; Hygiene; Liquors; Markets; Meat; Milk; Mushrooms; Oyster; Stimulants and narcotics; Sugar; Temperance; Vegetables; Vegetarianism.

Refer from Adulterations; Analysis of food; Beverages; Cookery; Diet; Dining; Domestic economy; Eating; Gastronomy; Meals; Table, the.

Fools. *See also* Idiocy.

Refer from Court fools; Jesters; Wit and humor.

Foot. *See also* Hosiery; Shoes.

Refer from Anatomy; Feet.

Football.

Refer from Ball; Games; Sports.

Footprints, fossil.

Refer from Fossil footprints; Ichnology; Paleontology.

Force. *See also* Mechanics.

Refer from Conservation of energy; Correlation of forces; Dynamics;

Folk-lore, German

Energy; Kinematics; Kinetics; Mechanics; Motion; Philosophy; Physics; Power.

Foreign exchange. *See* Exchange.

Foreign missions. *See* Missions.

Forestry. *See also* Arbor-day; Evergreens; Grafting; Landscape gardening; Lumbering; Pruning; Timber; Trees.

Refer from Agriculture; Arbor-day; Arboriculture; Botany; Evergreens; Forests; Gardening; Landscape gardening; Lumbering; Planting; Timber; Trees; Wood; Woods.

Forests. *See* Forestry.

Forms (in law). *See also* Actions at law; Affidavits; Conveyancing; Pleading.

Refer from Actions at law; Conveyancing; Law; Pleading.

Fortification. *See also* Earthwork; Gunnery; Military architecture.

Refer from Architecture, military; Earthwork; Military architecture; Military art and science; Military engineering; Sieges.

Fortune-tellers. *See also* Dreams.

Refer from Book of fate.

Fortune-telling. *See also* Astrology; Clairvoyance; Divination; Dreams; Palmistry.

Refer from Amusements; Cards; Divination; Dreams; Fate; Prophecies; Superstition.

Fossil footprints. *See* Footprints, fossil.

Fossils. *See* Paleontology.

Foundations. *See also* Earthwork; Masonry; Walls.

Refer from Architecture; Earthwork; Engineering; Masonry; Walls.

Founding. *See* Casting.

Foundlings. *See also* Adoption.

Refer from Children; Orphans.

Fountains. *See also* Springs.

Refer from Archaeology; Architecture; Hydraulic engineering; Water-supply.

Fourth of July.

Refer from Holidays; Independence day.

Fowl. *See* Poultry.

Fowling. *See* Falconry.

Fracture. *See also* Dislocation.

Refer from Bones; Dislocation; Surgery.

Franciscans. *See also* Capuchins.

Refer from Capuchins; Monasticism.

Free agency. *See* Liberty of the will.

Foreign corporations

Forests, forestry - Regulations.

Foundry practice

Fraternal societies, see Friendly societies

Fraudulent conveyances

Free churches.
Refer from Church polity; Churches.
Free coinage. *See also* Bimetallism; Money; Silver.
Refer from Bimetallism; Coinage; Money; Silver.
Free institutions. *See also* Democracy; Federal government; Liberty; Representation; Republics.
Refer from Liberty; Political science.
Free religion. *See also* Free thought; Liberty of conscience; Rationalism.
Refer from Free thought; Rationalism; Religion; Religious liberty; Theology; Unitarianism.
Free schools. *See* Public schools.
Free speech. *See* Liberty of speech.
Free thought. *See also* Agnosticism; Free religion; Rationalism; Religious liberty; Skepticism.
Refer from Free religion; Rationalism; Religious liberty; Skepticism.
Free trade. ~~*See* Tariff~~. & protection
Free will. *See* Liberty of the will.
Freedmen. *See also* Negroes; Slavery.
Refer from Colored people; Negroes; Slavery.
Freedom. *See* Liberty; Slavery.
Freedom of the press. *See* Liberty of the press.
Freedom of the will. *See* Liberty of the will.
Freemasonry.
Refer from Knights templars; Masons; Secret societies; Templars.
Fresco painting. *See* Frescoes.
Frescoes. *See also* Wall decoration.
Refer from Arts, fine; Decoration and ornament; Fresco painting; House painting; Painting; Wall decoration.
Fret cutting. *See* Wood-carving.
Friars. *See* Monasticism.
Friction.
Refer from Machinery; Mechanics; Physics.
Friendly societies. *See also* Building associations; Insurance; Odd-fellows.
Refer from Benefit societies; Insurance; Labor; Mutual benefit societies; Poor; Societies; Sociology.
Friends, society of. Subdivide by state
Refer from Congregationalism; Dissenters; Persecution; Puritans; Quakers; Sects.

Free soil party

Freight & freightage

Friendship. *See also* Love.
Refer from Ethics; Love.

Frost.
Refer from Cold; Geology; Meteorology; Water.

Fruit. *See also* Agriculture; Gardening; Grafting; Grape; Preserving; Pruning.
Refer from Agriculture; Arboriculture; Botany; Food; Gardening; Horticulture; Orchards; Pomology; Trees.

Fuel. *See also* Coal; Gas; Peat; Petroleum.
Refer from Boilers; Domestic economy; Engines; Fire; Heating; Manufactures.

Fumigation. *See also* Disinfection.
Refer from Contagion; Disinfection; Smoke.

Funds. *See* Finance.

Funerals. *See also* Burial; Burial service.
Refer from Burial; Church antiquities; Death; Manners and customs; Rites and ceremonies.

Fungi. *See also* Bacteria; Mould; Mushrooms.
Refer from Agricultural pests; Botany; Cryptogams; Microbes; Mould; Mushrooms; Mycology; Parasites; Pests.

Furniture. *See also* Beds; Cabinet work; Candlesticks; Chairs; Church furniture; House decoration; Lamps; Mirrors; Upholstery; Wood-carving.
Refer from Arts, fine; Arts, useful; Cabinet work; Decoration and ornament; Domestic economy; House decoration; Interior decoration; Manufactures; Upholstery; Wood-carving.

Future life. *See also* Annihilation; Death; Eternity; Future punishment; Heaven; Hell; Judgment, day of; Millennium; Purgatory; Resurrection; Salvation; Soul; Spiritualism; Transmigration.
Refer from Annihilation; Death; Eschatology; Eternal life; Eternity; Future punishment; Hades; Heaven; Hell; Immortality; Intermediate state; Judgment, day of; Life; Man; Millennium; Natural religion; Philosophy; Probation; Psychology; Purgatory; Religion; Resurrection; Retribution; Salvation; Soul; Theology; Universalism.

Future punishment. *See also* Future life; Hell; Purgatory; Universalism.
Refer from Death; Endless punishment; Future life; Hell; Punishment; Purga-

tory; Retribution; Sin; Theology; Universalism.

Gaging.
Refer from Gauging; Mensuration; Weights and measures.

Galleys.
Refer from Punishment; Ships; Slavery.

Galvanism. *See* Electricity.

Galvanometer. *See also* Electric measurement.
Refer from Electric measurement.

Galvanoplasty. *See* Electrometallurgy.

Gambling. *See also* Betting; Cards; Lotteries; Probabilities.
Refer from Betting; Cards; Ethics; Games; Gaming; Passions; Sports.

Game. *See also* Game laws; Hunting; Sports.
Refer from Birds; Hunting; Shooting; Zoology.

Game laws. *See also* Poaching.
Refer from Fishing; Game; Hunting; Law; Poaching.

Games. *See also* Amusements; Archery; Backgammon; Baseball; Billiards; Bowling; Cards; Checkers; Chess; Cricket; Croquet; Curling; Dominoes; Football; Gambling; Golf; Kindergarten; Patience; Solitaire; Sports; Tennis; Toys; Whist.
Refer from Amusements; Plays; Recreation; Sports.

Gaming. *See* Gambling.

Gardening. *See also* Agricultural pests; Agriculture; Botany; Floriculture; Forests; Fruit; Gardens; Greenhouses; Landscape gardening; Shrubs; Vegetables; Weeds; Window-gardening.
Refer from Agriculture; ~~Arts, useful~~; Botany; Country life; Domestic economy; Floriculture; Flowers; Fruit; Horticulture; Landscape gardening; Market gardening; Planting; Plants; Shrubs; Vegetables; Vines.

Gardens. *See also* Botanical gardens.
Refer from Gardening.

Gas. *See also* Coal gas. Acetylene
Refer from Chemistry; Coal gas; Fuel; Gases; Lighting; Manufactures.

Gas-engine.
Refer from Engines.

Gases. *See also* Gas.
Refer from Chemistry; Fluids; Mechanics; Physics; Pneumatics; Vapor.

Gainas, see Jains

Galvanocautery, see Galvanosurgery

Galvanosurgery

spraying
Industrial arts

Gasoline automobile, see Automobile, Gasoline

Gastronomy. *See* Cookery; Dining; Eating; Food.

Gates.
Refer from Architecture; Doors; Fences.

Gauging. *See* Gaging.

Gazetteers. *See* Geography, *Dictionaries*. names of countries, etc.

Gearing.
Refer from Cog-wheels; Machinery.

Gems. *See also* Cameos; Diamonds; Jewelry; Precious stones.
Refer from Archaeology; Arts, fine; Cameos; Decoration and ornament; Diamonds; Engraving; Jewelry; Mineralogy; Precious stones.

Genealogy. *See also* Biography; Heraldry.
Refer from Ancestry; Biography; Descent; Families; Heraldry; Pedigrees.

General hist., see Hist., Universal

Generals. *See also* Military biography.
Refer from Biography; Military biography.

Genius.
Refer from Intellect; Philosophy; Psychology.

Geodetic astronomy, see Astron.- Spher. & pract. Geodesy-Instruments-Catalo

Geodesy. *See also* Earth; Pendulum; Surveying.
Refer from Earth; Figure of the earth; Mathematics; Mensuration; Surveying; Trigonometry.

Geographical distribution of animals and plants.
Refer from Botany; Distribution of animals and plants; Zoology.

Geographical names. *See* Names (geographical).

Geographical societies. *See also* Alpine clubs.
Refer from Alpine clubs; Societies.

Geography. *See also* Arctic regions; Atlases; Boundaries; Discoveries; Earth; Ethnology; Explorers; Globes; Islands; Latitude; Longitude; Map drawing; Maps; Names (geographical); Physical geography; Surveying; Tropics; Voyages and travels; cases. geog.
Refer from Ancient geography; Atlases; Discoveries (in geography); Earth; Explorers; History; Physical geography; Science; Topography; Voyages and travels.

Geography, *Dictionaries*. See also names of countries etc
Refer from Gazetteers.

Geology. *See also* Boulders; Coal; Creation; Deluge; Dikes; Earth; Earthquakes; Erosion; Evolution; Frost; Glaciers;

Man; Metals; Mineralogy; Mines and mining; Moraines; Mountains; Paleontology; Peat; Petroleum; Physical geography; Rocks; Soils; Stone; Volcanoes.

Refer from Creation; Earth; Earthquakes; Mineralogy; Mountains; Natural history; Paleontology; Physical geography; Physical geology; Physiography; Rocks; Science.

Geometrical drawing. *See also* Graphics; Mechanical drawing; Perspective; Projection.

Refer from Drawing; Engineering; Geometry; Graphics; Mathematical drawing; Mechanical drawing; Projection.

Geometry. *See also* Axioms; Circle; Conic sections; Curves; Geometrical drawing; Mathematics; Mensuration; Perspective; Quaternions; Trigonometry.

Refer from Analytical geometry; Conic sections; Mathematics; Stereography; Trigonometry.

Germ theory. *See also* Bacteria. Bacteriol.

Refer from Bacteria; Contagion; Medicine; Pathology.

Gesture. *See also* Elocution; Pantomime; Sign language.

Refer from Elocution; Oratory; Pantomime.

Geysers. *See also* Springs.

Refer from Physical geography; Springs.

Ghosts. *See also* Apparitions; Demonology.

Refer from Apparitions; Hallucinations; Illusions; Spectres; Spirits; Superstition.

Giants.

Refer from Man; Monsters.

Gilding.

Refer from Arts, useful; Goldsmithing; Painting, mechanical; Plating.

Gilds. *See also* Trade-unions.

Refer from Associations; Economics; Guilds; Labor; Local government; Societies; Sociology; Trade-unions.

Gipsies.

Refer from Ethnology; Gypsies.

Girders. *See also* Bridges; Roofs; Trusses.

Refer from Architecture; Bridges; Engineering; Roofs; Strength of materials; Trusses.

Girls. *See also* Children; Education; Woman; Young women.

Refer from Children; Conduct of life;

German fiction
" literature.
German language-Readers

Girls - Societies & clubs

Ethics; Woman; Young people; Young women.

Glaciers. *See also* Boulders; Erosion; Ice; Moraines.
Refer from Boulders; Erosion; Geology; Ice; Moraines; Physical geography; Water.

Gladiators.
Refer from Amphitheatres; Fighting.

Glass.
Refer from Annealing; Archaeology; Arts, fine; Arts, useful; Manufactures; Windows.

Glass-painting.
Refer from Arts, fine; Decoration and ornament; Painted glass; Painting; Stained glass; Windows.

Glees. *See also* Songs.
Refer from Music; Songs.

Globes. *See also* Astronomy.
Refer from Astronomy; Geography; Maps.

Gloves.
Refer from Costume; Hand.

Glue.
Refer from Cement; Manufactures.

Goblins. *See* Fairies.

God. *See also* Atheism; Bible; Creation; Deism; Holy spirit; Idolatry; Jesus Christ; Monotheism; Mythology; Natural religion; Pantheism; Polytheism; Religion; Theism; Theology; Trinity.
Refer from Atheism; Bible; Christianity; Creation; Deism; Natural religion; Pantheism; Philosophy; Religion; Theism; Theodicy; Theology; Trinity.

Gold. *See also* Alchemy; Bimetallism; Coins and medals; Goldsmithing; Jewelry; Mines and mining; Money; Precious metals.
Refer from Bimetallism; Metals; Mines and mining; Money; Precious metals; Specie.

Golden fleece. *See* Argonauts.

Goldsmithing. *See also* Gilding; Jewelry; Plate.
Refer from Arts, fine; Gold; Jewelry; Metal-work; Plate.

Golf.
Refer from Games; Sports.

Good Friday.
Refer from Fasts and feasts; Holy week; Lent.

Girondists

Glacial epoch

Glands of Brunner

Gold mines & mining, subd.

Goldfish, see Carassius auratus L.

Goodwill (in business)

Gorilla.
Refer from Apes; Mammals; Monkeys; Zoology.
Gothic architecture. *See also* Cathedrals; Church architecture.
Refer from Architecture; Church architecture.
Government. *See* Political science.
Governors.
Refer from Biography.
Grafting.
Refer from Forestry; Fruit; Trees.
Grain. *See also* Wheat.
Refer from Agriculture; Breadstuffs; Cereals; Food; Wheat.
Graining. *See also* Painting, mechanical.
Refer from Painting, mechanical.
Grammar. *See also* Etymology; Prosody.
For the Grammar of any language *see* its name.
Refer from Accidence; Language; Words.
Grammar schools.
Refer from Education; Schools.
Grangers.
Refer from Agriculture; Commerce; Monopolies; Patrons of husbandry.
Grape. *See also* Wine.
Refer from Agriculture; Fruit; Vine; Vines; Wine.
Graphic arts. *See* Arts, ~~fine~~; Drawing; Engraving; Painting.
Graphics. *See also* Geometrical drawing; Mechanical drawing.
Refer from Drawing; Geometrical drawing; Mechanical drawing.
Grass.
Refer from Agriculture; Botany.
Graveyards. *See* Cemeteries.
Gravitation. *See also* Astronomy; Physics; Specific gravity; Weights and measures.
Refer from Astronomy; Physics; Specific gravity; Weights and measures.
Greek church. *See also* Church history.
Refer from Catholic church; Church history; Eastern churches; Russian church.
Greenbacks. *See also* Paper money; U. S., *Finance*.
Refer from Money; Paper money.
Greenhouses.
Refer from Agriculture; Architecture; Conservatories; Floriculture; Gardening; Hothouses.
Grippe, la. *See* Influenza.

Govt. publications, see names of countries issuing, subdiv. Govt. pub. e.g. U.S. - Govt. publn.
Grail
Grain - Geogr. distrib. - N.O - U.S

Graphic statics

Greek type, see Type & typefounding Greek typ

Groceries.
Refer from Commerce; Food.
Grotesque.
Refer from Esthetics.
Grottoes. *See* Caves.
Guaranties and sureties. *See also* Bailments; Bonds.
Refer from Law; Sureties.
Guardians. *See also* Administrators and executors; Adoption.
Refer from Adoption; Law; Wards; Wills.
Guests.
Refer from Domestic economy.
Guide-books. *See* names of countries and places.
Guilds. *See* Gilds.
Guillotine.
Refer from Capital punishment; Punishment.
Gun. *See also* Ammunition; Artillery; Bayonet; Firearms; Gunnery; Ordnance; Rifle.
Refer from Arms and armor; Firearms; Gunnery; Hunting; Rifle; Shooting.
Guncotton.
Refer from Explosives; Firearms.
Gunnery. *See also* Ammunition; Artillery; Explosives; Firearms; Gun; Gunpowder; Ordnance; Projectiles; Shooting.
Refer from Arms and armor; Artillery; Firearms; Fortification; Gun; Military art and science; Ordnance; Projectiles; Shooting.
Gunpowder.
Refer from Ammunition; Explosives; Firearms; Gunnery; Ordnance; Powder.
Gutta-percha. *See also* India-rubber.
Refer from India-rubber; Manufactures.
Gymnastics. *See also* Physical education; Sports; *also* the references under these headings.
Refer from Athletics; Calisthenics; Education; Exercise; Hygiene; Manly exercise; Physical education; Recreation; Sports; Training.
Gynecology. *See* Woman—*Diseases*. Obstetrics
Gypsies. *See* Gipsies.
Habeas corpus. *See also* Martial law.
Refer from Law; Martial law.
Habit. *See also* Instinct; Lefthandedness.
Refer from Conduct of life; Ethics; Philosophy.

Groups " Theory of
Guaranties & sureties - cases

Gyroscope

Hades. *See* Future life; Hell.
Hail.
Refer from Meteorology; Water.
Hair. *See also* Baldness.
Refer from Baldness; Head; Pathology. Halides, Methyl-Pyridine
Hallucinations. *See* Apparitions; Delusions; Ghosts; Illusions; Insanity.
Hand. *See also* Gloves; Lefthandedness; Palmistry.
Refer from Anatomy.
Handrailing.
Refer from Architecture; Carpentry; Stair-building.
Handwriting. *See* Autographs; Penmanship.
Hanging. *See also* Capital punishment.
Refer from Capital punishment; Punishment.
Happiness. *See also* Contentment; Pleasure.
Refer from Contentment; Ethics; Pleasure.
Harbors. *See also* Breakwaters; Docks; Wharves.
Refer from Commerce; Docks; Engineering; Hydraulic engineering; Navigation; Ports.
Hardware. *See also* Cutlery; Keys; Knives; Locks; Metal-work.
Refer from Architecture; Commerce; Iron; Manufactures; Metal-work; Metals.
Harmony. *See also* Counterpoint; Music.
Refer from Composition, musical; Music; Thorough-bass.
Harness.
Refer from Horse; Leather; Manufactures; Saddlery.
Hats. *See also* Head-gear; Millinery.
Refer from Costume; Head-gear; Manufactures; Millinery.
Hawking. *See* Falconry.
Hay-fever.
Refer from Autumnal catarrh; Catarrh; Fever; Medicine, practice of.
Head. *See also* Baldness; Brain; Ear; Eye; Face; Hair; Headache; Mouth; Nose; Phrenology; Physiognomy; Skull.
Refer from Anatomy; Skull.
Headache.
Refer from Head; Medicine, practice of; Nervous system.
Head-gear. *See also* Hats; Helmets; Millinery.
Refer from Costume; Hats; Millinery.

Health. *See* Hygiene.

Health resorts.

Refer from Hygiene: Invalids.

Hearing. *See also* Deafness. Ear.

Refer from Ear: Senses.

Heart. *See also* Blood.

Refer from Anatomy: Blood. Chest.

Heat. *See also* Animal heat. Cold. Combustion. Fire. Heating: Radiation: Steam: Sun: Temperature: Thermometer. Thermodynamics

Refer from Climate: Cold: Fire. Heating: Meteorology: Physics: Radiation. Steam-engine: Temperature. Thermodynamics.

Heating. *See also* Chimneys. Fuel. Heat: Steam heating. Stoves: Ventilation. Electric heating

Refer from Architecture: Chimneys: Domestic economy: Fire. Heat: Sanitary engineering. Steam heating: Stoves: Ventilation. Warming. Water.

Heatstroke.

Refer from Medicine, practice of: Sunstroke.

Heaven. *See also* Angels. Future life.

Refer from Death. Future life. Retribution: Theology.

Heavens. *See* Astronomy.

Heliotypes. *See also* Photo-engraving, etc.

Refer from Photo-engraving, etc. Photography. Pictures.

Hell. *See also* Future life: Future punishment.

Refer from Death. Future life: Future punishment: Hades: Retribution: Theology.

Helmets.

Refer from Arms and armor: Head-gear.

Hemorrhage.

Refer from Blood: Pathology.

Hemp. *See also* Fibres: Rope.

Refer from Fibres: Linen: Rope: Yarn.

Hens. *See* Poultry.

Heraldry. *See also* Arms and armor: Chivalry: Devices: Flags: Genealogy: Peerage.

Refer from Archaeology: Arms, coats of: Biography: Chivalry: Coats of arms: Crests: Devices: Genealogy: History: Knighthood: Nobility: Pedigrees: Peerage.

Heredity. *See also* Biology: Evolution. Eugenics

Refer from Ancestry: Biology: Children: Descent: Ethics: Evolution: Inheritance

(biology); Man; Medicine; Parents; Physiology; Psychology; Zoology.

Heresy. *See also* Inquisition; Liberty of conscience; Martyrs; Persecution.

Refer from Church history; Liberty of conscience; Theology.

Hermeneutics. *See* Bible. Crit., interpretation, etc.

Hermetic art. *See* Alchemy; Astrology.

Hermits. *See also* Asceticism.

Refer from Asceticism; Christian biography; Monks; Solitude.

Heroes. *See also* Adventure; Discoveries; Explorers; Martyrs; Missionaries; Mythology; Saints.

Refer from Adventure; Biography; Courage.

Herpetology. *See* Reptiles.

Hieroglyphics.

Refer from Alphabet; Inscriptions; Language; Writing.

High schools.

Refer from Education; Secondary schools.

Highwaymen. *See also* Brigands. Subdiv. by country etc.

Refer from Brigands.

Highways. *See* Roads.

Hinduism. *See also* Brahmanism; Buddhism.

Refer from Brahmanism; Buddhism; Religions.

Hippodrome. *See* Circus.

Histology. *See also* Anatomy; Cells; Microscope. Histology, Pathological

Refer from Anatomy; Cells; Medicine; Morphology; Pathology; Tissues.

Historians.

Refer from Authors; Biography; History.

Historical atlases. See History - Atlases

Refer from Atlases; History.

Historical dictionaries. *See* History, *Dictionaries*.

Historical fiction.

Refer from Fiction; History.

Historical societies. *See also* Antiquarian societies. Subhead societies under names of countries, states etc., subhead Hist.

Refer from Societies.

History. *See also* Archaeology; Battles; Biography; Boundaries; Chronology; Church history; Civilization; Coins and medals; Conspiracies; Costume; Crusades; Eastern question; Ethnology; Famines; Finance; Floods; Geography; Heraldry; Historians; Historical atlases; Historical fiction; History, ancient; Archives

History, modern; Massacres; Middle ages; Military history; Naval history; Political science; Revolutions; Riots; Sieges; Slavery; Sociology; Statistics; Treaties; *also* names of countries, places, and persons. For the history of a special subject see its name.

Refer from Annals; Archaeology; Biography; Christendom; Chronology; Civilization; Man; Science.

History, ancient. *See also* Archaeology.

Refer from Ancient history; History.

History, medieval. *See* Middle ages.

History, modern. *See also* Church history; Crusades; Middle ages; Reformation; Renaissance.

Refer from History; Modern history.

History, natural. *See* Natural history.

History, philosophy of. *See also* Civilization.

Refer from Philosophy; Philosophy of history.

Histrionics. *See* Acting; Theatre.

Hog.

Refer from Agriculture; Domestic animals; Live stock; Pig; Swine.

Holidays. *See also* Arbor day; Christmas; Fasts and feasts; Fourth of July; Memorial day; New-year; Thanksgiving day; Vacations.

Refer from Days; Fasts and feasts; Festivals; Vacations.

Holy ghost. *See* Holy spirit.

Holy spirit. *See also* Trinity.

Refer from God; Holy ghost; Spirit; Theology; Trinity.

Holy week. *See also* Easter; Good Friday.

Refer from Fasts and feasts; Lent.

Home. *See also* Children; Domestic economy; Family; Woman.

Refer from Domestic economy; Ethics; Family; Woman.

Home decoration. *See* House decoration.

Home education. *See* Domestic education.

Home missions. *See* Missions.

Homeopathy. *See also* Allopathy; Medicine, and references under Medicine.

Refer from Allopathy; Medicine; Pharmacy.

Homicide. *See* Murder.

Homiletics. *See* Preaching; Sermons.

Honey. *See* Bees.

Horology. *See* Clocks and watches; Timekeepers.

History - Historiography
" - Atlases
" - Philosophy

History, Universal

Holy grail, see Grail
Holy Roman empire

Homeopathic institutions
Homeopathy - Materia medica & therapeutic

Horse. *See also* Barns; Domestic animals; Driving; Harness; Horse-racing; Horse-railroads; Horseshoeing; Horsemanship; Stables; Veterinary medicine.
Refer from Agriculture; Cavalry; Domestic animals; Farriery; Live stock; Mammals; Pedigrees; Stables; Training; Trotting; Veterinary medicine.

Horse-racing.
Refer from Horse; Racing; Sports; Trotting.

Horse-railroads.
Refer from Horse; Railroads; Street railroads.

Horsemanship. *See also* Coaching; Driving; Hunting.
Refer from Driving; Horse; Locomotion; Riding; Sports.

Horseshoeing. *See also* Blacksmithing.
Refer from Arts, useful; Blacksmithing; Horse.

Horticulture. *See* Floriculture; Fruit; Gardening. Hosackia

Hosiery.
Refer from Costume; Dry goods; Foot; Manufactures; Stockings; Textile fabrics.

Hospitallers. *See* Malta, knights of.

Hospitals. *See also* Asylums; Dispensaries; Insane hospitals; Nurses and nursing.
Refer from Architecture; Asylums; Charities; Dispensaries; Hygiene, public; Infirmaries; Medicine; Military art and science; Nurses and nursing. U.S.-Hist.-Civ. war-Hospitals & charities

Hotels. *See also* Apartment houses; Inns.
Refer from Architecture; Inns; Taverns.

Hothouses. *See* Greenhouses.

Hours of labor.
Refer from Eight-hour day; Labor.

House decoration. *See also* Bric-a-brac; Candlesticks; Carpets; Decoration and ornament; Fancy work; Furniture; Paper-hanging; Upholstery; Wall decoration.
Refer from Architecture, domestic; Arts, fine; Carpets; Decoration and ornament; Domestic economy; Furniture; Home decoration; Household decoration; Houses; Interior decoration; Upholstery.

House drainage. *See* Plumbing; Sewerage.

House painting. *See also* Frescoes; Painting, mechanical.
Refer from Architecture; Architecture,

domestic; Painting, mechanical; Wall decoration.

Household decoration. *See* House decoration.

Household pests.

Refer from Domestic economy; Insects; Pests.

Household science. *See* Domestic economy.

Housekeeping. *See* Domestic economy.

Houses. *See* Architecture, domestic; House decoration.

Huguenots. *See also* France, *Church history;* Waldenses.

Refer from Church history; Persecution; Reformation; Sects; Waldenses.

Human body. *See* Anatomy; Physiology.

Human faculties. *See* Psychology.

Human figure. *See* Anatomy for artists; Figure painting.

Human race. *See* Man.

Humbug. *See* Delusions; Imposture.

Humor. *See* Wit and humor.

Hunting. *See also* Dog; Falconry; Fishing; Game; Game laws; Gun; Shooting; Sports; Trapping.

Refer from Animals; Chase, the; Country life; Field-sports; Game; Horsemanship; Natural history; Outdoor life; Shooting; Sports; Trapping.

Hurricanes. *See* Storms.

Husband and wife. *See* Marriage.

Husbandry. *See* Agriculture.

Husbands. *See also* Family; Fathers; Marriage; Wives.

Refer from Family; Marriage; Wives.

Hussites.

Refer from Reformation; Sects.

Hydraulic engineering. *See also* Aqueducts; Artesian wells; Canals; Docks; Drainage; Embankments; Engineering; Fluids; Fountains; Harbors; Irrigation; Mines and mining; Pumps; Rivers; Turbines; Water; Water-supply; Water-wheels; Wells.

Refer from Canals; Engineering; Fluids; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Liquids; Machinery; Mechanics; Physics; Rivers; Water; Water-power; Water-supply.

Hydraulics. *See* Fluids; Hydraulic engineering; Mechanics.

Hydrodynamics. *See* Fluids; Hydraulic engineering; Mechanics.

Hydrography. *See* Nautical surveying.

Human anatomy, see Anat., Human

Humanism

Husband & wife - Cases

Hybrids (Botany)

Hydrochlorides

Hydromechanics. *See* Fluids; Hydraulic engineering; Mechanics.

Hydropathy. *See also* Baths and bathing.
Refer from Baths and bathing; Medicine; Therapeutics; Water-cure.

Hydrophobia. *See also* Dog.
Refer from Dog.

Hydrostatics. *See* Fluids; Hydraulic engineering; Mechanics.

Hygiene. *See also* Baths and bathing; Children; Cleanliness; Climate; Diet; Exercise; Gymnastics; Health resorts; Invalids; Longevity; Medicine; Military hygiene; Mind and body; Naval hygiene; Nurses and nursing; Pathology; Physical education; Physiology; Rest; Sleep; Stimulants and narcotics; Temperance; Therapeutics; Training; Vacations; Ventilation; Voice; Woman, *Diseases*.
Refer from Biology; Diet; Food; Health; Life; Man; Medicine; Pathology; Physiology; Sanitary science.

Hygiene, public. *See also* Adulterations; Burial; Contagion; Cremation; Disinfection; Epidemics; Hospitals; Inoculation; Quarantine; Sanitary engineering; School hygiene.
Refer from Medicine; Public health.

Hyksos.

Hymns. *See also* Church music; Religious poetry.
Refer from Anthems; Chants; Church music; Devotional exercises; Literature; Liturgies; Lyric poetry; Music; Poetry; Psalmody; Religion; Religious poetry; Rites and ceremonies; Sacred poetry; Songs; Worship.

Hymns, Takudh

Hypnotism. *See also* Animal magnetism; Subconsciousness.
Refer from Animal magnetism; Mental suggestion; Mesmerism; Mind and body; Mind-reading; Psychology; Sleep; Subconsciousness; Suggestion, mental.

Hysteroneuroses, see Nervous system-Disease

Hysteria.
Refer from Medicine, practice of; Nervous system; Woman, *Diseases*.

Ice. *See also* Alps; Arctic regions; Glaciers; Skating; Water.
Refer from Glaciers; Meteorology; Physical geography; Snow; Water.

Ice sports

Ichnology. *See* Footprints, fossil.

Ichthyology. *See* Fish.

Iconography. *See* Christian art; Idolatry; Saints.

Idealism. *See also* Realism.
Refer from Philosophy; Realism.
Idiocy. *See also* Insanity.
Refer from Brain; Feeble-minded; Fools; Imbecility; Insanity; Medicine, practice of; Mental diseases; Mind and body.
Idolatry. *See also* Fetishism.
Refer from Fetishism; God; Iconography; Image worship; Religion; Religions; Worship.
Illumination. *See* Lighting.
Illumination (of mss. and books). *See also* Alphabets.
Refer from Alphabets; Arts, fine; Book illustration; Books and reading; Decoration and ornament; Manuscripts; Ornamental alphabets; Painting.
Illusions. *See also* Apparitions; Delusions; Ghosts.
Refer from Delusions; Hallucinations; Insanity; Mental diseases; Psychology; Visions.
Illustration of books. *See* Book illustration.
Image worship. *See* Idolatry.
Imagination.
Refer from Intellect; Philosophy; Psychology.
Imbecility. *See* Idiocy.
Immaculate conception. *See also* Mary, virgin.
Refer from Catholic church; Incarnation; Jesus Christ; Mariolatry; Mary, virgin; Vatican council.
Immigration. *See* ~~*also* Colonies; Naturalization~~.
~~*Refer from*~~ Emigration; ~~Political science~~; ~~Sociology~~.
Immorality. *See* Crime; Ethics.
Immortality. *See* Future life.
Imperial federation. *See also* England, *Colonies*.
Refer from Political science.
Imports. *See* Commerce; Tariff.
Imposture. *See also* Counterfeits; Quacks and quackery.
Refer from Adventurers; Counterfeits; Delusions; Humbug; Quacks and quackery.
Imprisonment. *See* Arrest; Prisons.
Incandescent lamps. *See* Electric lamps.
Incarnation. *See also* Immaculate conception; Jesus Christ.
Refer from Jesus Christ.
Income, public. *See* Finance.

Income tax. *See also* Taxation.
Refer from Taxation.
Incubation. *See* Poultry.
Incubus. *See* Nightmare.
Incunabula. *See* Printing.
Independence day. *See* Fourth of July.
Independent order of odd-fellows. *See* Odd-fellows.
Independents. *See* Congregationalism.
Indexes. [*See also* subjects indexed, *as* Essays; Periodicals; *or* enter here a list of all indexes in the library.]
Refer from Bibliography.
Indexing. *See also* Cataloging.
Refer from Bibliography; Cataloging.
India-rubber. *See also* Gutta-percha.
Refer from Caoutchouc; Gutta-percha; Manufactures; Rubber.
Indian corn. *See* Maize.
Indians of North America. *See also* Cliff-dwellings; Mound-builders; Pueblos; Totems.
Refer from American aborigines; Archaeology; Ethnology; Mound-builders; Mythology; Religions; North American Indians.
Indians of South America.
Indigestion. *See* Digestion.
Individualism. *See also* Communism; Socialism.
Refer from Communism; Economics; Political science; Socialism.
Induction coils.
Refer from Electricity.
Indulgences.
Refer from Catholic church; Church polity; Purgatory.
Industrial arts. *See also* ~~Arts, useful~~; Manufactures.
Industrial drawing. *See* Mechanical drawing.
Industrial education. *See* Manual training; Technical education.
Industrial exhibitions. *See* Exhibitions.
Inebriates. *See* Temperance.
Infallibility. *See also* Catholic church; Popes; Vatican council.
Refer from Catholic church; Popes; Theology; Vatican council.
Infanticide.
Refer from Criminal law; Medical jurisprudence; Murder; Woman; Woman, *Law*.

Independence, Declaration of, see U. S. - Decl. of ind.

India - Law, see Law - Indi.

Indians of N. A. — Writing.
" - Music
- Wars, 1790-1794

Subdivide by state etc.

Indians of Central Amer.

Indigo

Indo-Germanic languages, see Aryan languages

Mines + mining

See Arts, useful for recs. Architecture; Gardening. Domestic econ.

Industries, see also names of countries & states, subhead Industries

Industries, Primitive

Infant baptism

Infantry. *See also* Military art and science.
Refer from Military art and science; Tactics.
Infants. *See* Children.
Infections. *See* Contagion.
Infidelity. *See* Skepticism.
Infinite.
Refer from Finite; Philosophy.
Infirmaries. *See* Hospitals.
Inflammation.
Refer from Pathology.
Influenza.
Refer from Breathing; Grippe, la; Medicine, practice of.
Inheritance. *See also* Primogeniture; Wills.
Refer from Law; Property; Wills.
Inheritance (biology). *See* Heredity.
Injunctions.
Refer from Actions at law; Law.
Injuries. *See* Accidents; Damages.
Ink.
Refer from Printing; Stationery; Writing.
Inland navigation. *See also* Canals; Ferries; Rivers; Steam navigation.
Refer from Commerce; Navigation; Transportation.
Inns. *See also* Hotels.
Refer from Hotels; Taverns.
Inoculation. *See also* Smallpox; Vaccination.
Refer from Hygiene, public; Medicine; Smallpox; Therapeutics; Vaccination.
Inquisition. *See also* Martyrs.
Refer from Catholic church; Church history; Heresy; Martyrs; Middle ages; Persecution; Torture.
Insane hospitals.
Refer from Asylums; Hospitals; Insanity.
Insanity. *See also* Brain; Delusions; Idiocy; Illusions; Insane hospitals; Medical jurisprudence; Mind and body; Nervous system.
Refer from Brain; Hallucinations; Idiocy; Intellect; Lunacy; Madness; Medical jurisprudence; Medicine, practice of; Mental diseases; Mind and body; Nervous system; Philosophy; Psychology.
Inscriptions. *See also* Alphabet; Cuneiform; Epitaphs; Hieroglyphics; Manuscripts; Writing.
Refer from Alphabet; Archaeology; Diplomatics; Epigraphy; Literature;

Infectious diseases

Inhibition

Inorganic chemistry, see Chemistry, Inorganic

Inscriptions, Latin

Manuscripts; Monuments; Paleography; Writing.

Insectivorous plants.
Refer from Botany.

Insects. *See also* Agricultural pests; Bees; Beetles; Butterflies; Caterpillars; Fertilization of plants; Household pests; Lepidoptera; Moths; Parasites.
Refer from Agricultural pests; Entomology; Invertebrates; Pests; Zoology.

Insects - Coloration

Insolvency. *See* Bankruptcy.

Insomnia. *See also* Sleep.
Refer from Medicine, practice of; Sleep.

Instinct. *See also* Animal psychology. Animal intelligence
Refer from Animal psychology; Habit; Intelligence of animals; Psychology; Reason; Zoology.

Instrumental music. *See also* Music; Musical instruments; Orchestral music.
Refer from Music; Musical instruments; Orchestral music.

Instrumentation.
Refer from Music; Musical Instruments.

Instruments. *See also* Machinery; Scientific apparatus; Tools; *also* Arithmetical; Astronomical; Mathematical; Musical; Optical; Philosophical; Surgical, *etc.*, instruments. Physics - Instr.
Refer from Apparatus; Science; Scientific apparatus.

Insurance. *See also* Annuities; Friendly societies.
Refer from Accident insurance; Assurance; Commerce; Commercial law; Contracts; Fire-insurance; Fires; Friendly societies; Investments; Law; Life-insurance; Marine insurance; Maritime law; Probabilities; Property; Sociology.

Insurance, Fire
" , Life
" , Accident
" , Guarantee

Insurance - Law

Intellect. *See also* Animal psychology; Belief; Brain; Certainty; Genius; Imagination; Insanity; Knowledge; Logic; Memory; Psychology; Reason; Senses.
Refer from Brain; Intelligence; Mind; Philosophy; Psychology; Understanding.

Animal intel.

Intellectual property. *See* Copyright.

Intelligence. *See* Intellect.

Intelligence of animals. *See* Animal psychology; Instinct. Animal intel.

Intemperance. *See* Temperance.

Interest.
Refer from Arithmetic; Banks; Capital; Commerce; Economics; Ethics; Fi-

nance; Investments; Money; Negotiable instruments; Tables; Usury.

Interior decoration. *See* Furniture; House decoration.

Intermediate state. *See* Future life; Purgatory.

Interment. *See* Burial.

Internal revenue. *See* Taxation; U. S., *Finance.*

International copyright. *See* Copyright.

International exhibitions. *See* Exhibitions.

International law. *See also* Aliens; Allegiance; Ambassadors; Arbitration, international; Blockade; Citizenship; Consuls; Diplomacy; Embargo laws; Maritime law; Monroe doctrine; Naturalization; Neutrality; Peace; Privateering; Prizes; Treaties.

Refer from Blockade; Diplomacy; Law; Law of nations; Maritime law; Ministers (of state); Nations, law of; Neutrality; Treaties; War.

Intestines.

Refer from Abdomen; Anatomy; Viscera.

Intolerance. *See* Liberty of conscience; Religious liberty.

Intoxication. *See* Temperance.

Inundations. *See* Floods.

Invalids. *See also* Diet; Health resorts; Nurses and nursing.

Refer from Hygiene; Medicine; Sick, the.

Inventions. *See also* Patents.

Refer from Arts, useful; Discoveries (in science); Machinery; Patents; Science.

Invertebrates. *See also* Crustacea; Insects; Mollusks; Worms; Zoology.

Refer from Zoology.

Investments. *See also* Annuities; Banks; Bonds; Building associations; Insurance; Interest; Loans; Mortgages; Speculation; Stocks.

Refer from Bonds; Corporations; Economics; Finance; Loans; Money; Negotiable instruments; Securities; Speculation; Stocks.

Iron. *See also* Casting; Hardware; Ironwork; Mines and mining; Steel.

Refer from Annealing; Building materials; Metals; Mines and mining; Steel.

Iron-clad vessels. *See* Armored vessels.

Ironwork. *See also* Blacksmithing.

Refer from Arts, fine; Blacksmithing; Iron; Metal-work.

Interoceanic canals, see Canals, Interoceanic

Interstate commerce.

Inventions & discoveries

Iron industry & trade - Statis.
Iron mines & mining

Iroquois Indians, see Indians of N. A. - N. Y.

Irrigation. *See also* Canals; Drainage.
Refer from Agriculture; Canals; Drainage; Engineering; Hydraulic engineering; Water-supply.

Islam. *See* Mohammedanism.

Islands.
Refer from Geography; Physical geography.

Ivory.
Refer from Carving (wood, etc.); Sculpture.

Jails. *See* Prisons.

Jansenists.
Refer from Catholic church; Church history; Jesuits.

Japanning. *See also* Varnishing.
Refer from Varnishing.

Jesters. *See* Fools.

Jests. *See* Wit and humor.

Jesuits. *See also* Jansenists.
Refer from Catholic church; Church history; Jesus, society of; Monasticism; Religious orders; Society of Jesus.

Jesus, society of. *See* Jesuits.

Jesus Christ. *See also* Antichrist; Apostles; Arianism; Atonement; Bible; Christian art; Christianity; Christmas; Cross; Easter; Immaculate conception; Incarnation; Lord's supper; Mary, virgin; Millennium; Miracles; Parables; Salvation; Second advent; Socinianism; Transubstantiation; Trinity; Unitarianism.
Refer from Atonement; Bible; Christ; Crucifixion; Divinity; God; Incarnation; Jews; Lord's supper; Mary, virgin; Messiah; Millennium; Miracles; Parables; Prophecies; Religion; Resurrection; Second advent; Temptation; Theology; Trinity; Unitarianism.

Jewelry. *See also* Beads; Bracelets; Cameos; Gems; Goldsmithing; Pearls; Plate; Precious stones; Rings; Silversmithing.
Refer from Arts, fine; Costume; Decoration and ornament; Gems; Gold; Goldsmithing; Metal-work; Precious stones; Rings; Silversmithing.

Jews. *See also* Bible; Circumcision; Essenes; Jesus Christ; Messiah; Passover; Patriarchs; Prophets; Talmud.
Refer from Bible; Church history; Judaism; Persecution; Religions; Ten tribes of Israel.

Joinery. *See* Carpentry.

Joint-stock companies. *See* Corporations.

Irrigation law

Isocyanides

Jains

Jesus Christ-Biography
" " -Words

Jewish lit., see Hebrew lit.

Joints. *See also* Dislocation.
Refer from Anatomy; Bones.

Jokes. *See* Wit and humor.

Journalism. *See also* Authorship; Libel and slander; Liberty of the press; Newspapers; Periodicals; Reporting.
Refer from Authorship; Liberty of the press; Literature; Newspapers; Periodicals; Press; Reporting.

Journeys. *See* Voyages and travels; *also* names of countries, *etc.*

Judaism. *See* Jews.

Judges. *See also* Chief justices.
Refer from Biography; Chief justices; Law; Lawyers; Magistrates.

Judgment day ~~of~~. *See also* Future life.
Refer from Day of judgment; Future life; Second advent; Theology.

Juggling. *See* Conjuring.

Jurisdiction.
Refer from Courts; Law.

Jurisprudence. *See* Law.

Jury. *See also* Trials.
Refer from Criminal law; Law; Trial by jury; Trials.

Justices of the peace.
Refer from Biography; Law; Magistrates.

Justification. *See also* Faith.
Refer from Faith; Theology.

Juvenile literature. *See* Children's literature.

Kaleidoscope.
Refer from Light; Optical instruments.

Keramics. *See* Pottery.

Keys. *See also* Locks.
Refer from Hardware; Locks.

Kidnapping.
Refer from Criminal law.

Kidneys.
Refer from Abdomen; Viscera.

Kindergarten. *See also* Child study; Children; Nature study; Object-teaching.
Refer from Child study; Children; Education; Games; Object-teaching; Schools; Teaching.

Kindness to animals. *See* Animals, treatment of.

Kinematics. *See* Force; Mechanics; Motion.

Kinetics. *See* Force; Mechanics; Motion.

Kings. *See also* Emperors. For works on the duties, rights, *etc.*, of kings, *see* Monarchy.
Refer from Biography; Monarchy; Rulers; Sovereigns.

Judgment
Judgments
Judicial sales (Law)

Juvenile delinquency

Kidneys - Surgery

Kissing.
Refer from Manners and customs.
Kitchen. *See also* Cookery; Domestic economy.
Refer from Cookery; Domestic economy.
Knight-errantry. *See* Chivalry.
Knighthood. *See* Chivalry; Feudalism; Heraldry.
Knights hospitallers. *See* Malta, knights of.
Knights of Malta. *See* Malta, knights of.
Knights of St. John. *See* Malta, knights of.
Knights templars. *See* Freemasonry; Templars.
Knitting. *See also* Fancy work.
Refer from Fancy work.
Knives. *See also* Cutlery.
Refer from Cutlery; Hardware.
Knots.
Refer from Navigation; Rope.
Know-nothings. *See* American party.
Knowledge. *See also* Education; Philosophy; Science.
Refer from Education; Intellect; Learning; Philosophy; Psychology;
Koran. *See also* Mohammedanism.
Refer from Alcoran; Mohammedanism.
Labor. *See also* Apprentices; Arbitration, industrial; Capital; Children; Communism; Cooperation; Economics; Factory system; Friendly societies; Gilds; Hours of labor; Machinery; Peasantry; Poor; Profit-sharing; Servants; Slavery; Sociology; Strikes and lockouts; Trade-unions; Wages; Woman.
Refer from Capital; Children; Economics; Manufactures; People; Poor; Profit-sharing; Sociology; Strikes and lockouts; Trade-unions; Wages; Wealth; Work; Working-classes.
Lace. *See also* Needlework.
Refer from Arts, fine; Fancy work; Manufactures; Needlework; Weaving.
Laconics. *See* Maxims.
Lacquer.
Refer from Varnishing.
Ladies. *See* Etiquette; Woman.
Lake-dwellings.
Refer from Archaeology; Architecture; Ethnology; Lakes.
Lakes. *See also* Lake-dwellings; Ponds
Refer from Physical geography; Ponds; Water.
Lampoons. *See* Satire.

Knowledge, Theory of
Logic; Metaphysics
Labor laws & legislation
Sweating system

Lamps. *See also* Electric lamps.
Refer from Furniture; Lighting; Oil.

Land. *See also* Agriculture; Commons; Deeds; Easements; Feudalism; Landlord and tenant; Parks; Real property; Rents; Surveying; Taxation; Titles.
Refer from Agriculture; Economics; Landlord and tenant; Law; Property; Real property; Rent; Tenure of land.

Land, tenure - Subdiv. by country or state.
Land question-U.S., see U.S.-Public lan

Land-drainage. *See* Drainage.

Landlord and tenant. *See also* Land; Rent.
Refer from Land; Law; Real property; Rent; Tenant.

Landtenure.

Landscape.
Refer from Esthetics; Picturesque.

Landscape gardening. *See also* Cemeteries; Evergreens; Forestry; Gardening; Parks; Shrubs.
Refer from Agriculture; Arts, fine; Cemeteries; Forestry; Gardening; Parks; Planting; Rural architecture; Shrubs; Trees.

Landscape painting.
Refer from Painting.

Language. *See also* Accent; Alphabet; Classical education; Conversation; Dialects; Elocution; Etymology; Grammar; Hieroglyphics; Literature; Names; Phonetics; Pronunciation; Prosody; Punctuation; Rhetoric; Sign language; Slang; Speech; Spelling; Synonyms; Translation; Words; Writing. Names of languages.
Refer from Anthropology; Ethnology; Linguistics; Literature; Philology; Science; Speech; Words.

Lanthanum
LaPlace's function, see spherical harmonics

Larvae

Larynx, spasm of, see
" , Neuroses of

Lathe. *See* Turning.

Latitude.
Refer from Astronomy; Earth; Geography; Nautical astronomy; Navigation.

Latter-day saints. *See* Mormonism.

Laughter. *See also* Wit and humor.
Refer from Wit and humor.

Laundry.
Refer from Domestic economy; Washing.

Law. *See also* Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Aliens; Allegiance; Appeal; Arrest; Assault; Assignments; Asylum, right of; Attachment; Attorneys; Awards; Bail; Bailments; Bankruptcy; Benefit of clergy; Carriers; Chancery; Church law; Civil law; Civil rights; Commercial law;

Agrarian law, Roman
Law - Leading cases

Subdivided by country or state

Common law; Confiscation; Constables; Constitutional law; Contracts; Conveyancing; Copyright; Corn laws; Coroners; Corporations; Costs; County officers; Courts; Courts martial; Crime; Criminal law; Criminals; Damages; Debt; Deeds; Divorce; Easements; Equity; Evidence; Feudalism; Forms; Game laws; Guaranties and sureties; Guardians; Habeas corpus; Inheritance; Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justices of the peace; Land; Landlord and tenant; Lawyers; Legacies; Legislation; Libel and slander; Liens; Limitations; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Moot courts; Mortgages; Municipal corporations; Murder; Mutiny; Negligence; Negotiable instruments; Neutrality; Nuisance; Parliamentary practice; Partnership; Patents; Personal property; Pleading; Police; Poor laws; Possession; Powers; Primogeniture; Principal and agent; Property; Prostitution; Punishment; Real property; Receivers; Rent; Sale; Sheriffs; Titles; Torts; Trade-marks; Treason; Trespass; Trials; Trustees; Wager of battle; Wills; Witnesses; Woman, *Law*.

Refer from Civil law; Common law; Courts; Criminal law; Ethics; Jurisprudence; Legislation; Maritime law; Municipal law; Pleading; Political science; Science; Sociology.

Law of nations. *See* International law.

Lawn-tennis. *See* Tennis.

Lawyers. *See also* Chancellors, lord; Chief justices; Judges.

Refer from Bar; Biography; Law.

Lead. *See also* Plumbing.

Refer from Metals; Mines and mining.

Learning. *See* Education; Knowledge.

Leather. *See also* Harness; Shoes; Tanning.

Refer from Manufactures; Tanning.

Leather work.

Refer from Arts, fine; Fancy work.

Leaves.

Refer from Botany.

Lecturing. *See also* Lyceums.

Refer from Lyceums; Oratory.

Judgments
Land tenure
Mining law
Lead mines & mining
Leading cases, see Law-Leading cas
Lecithan

Lefthandedness.
Refer from Habit; Hand.
Legacies.
Refer from Law; Wills.
Legal tender. *See also* Money.
Refer from Money; Paper money.
Legends. *See also* Animals, legends and stories of; Ballads; Cross; Fairy tales; Folk-lore; Mary, virgin; Mythology; Romances; Saints.
Refer from Ballads; Fiction; Folk-lore; Literature; Mythology; Romances; Stories; Superstition; Traditions.
Legerdemain. *See* Conjuring.
Legislation. *See also* Law; Parliamentary practice; Political science.
Refer from Law.
Lent. *See also* Ash Wednesday; Easter; Good Friday; Holy week.
Refer from Ash Wednesday; Catholic church; Fasting; Fasts and feasts.
Lepidoptera. *See also* Butterflies; Caterpillars; Moths.
Refer from Butterflies; Insects; Moths.
Letter-writing. *See also* Commercial correspondence; Rhetoric.
Refer from Composition; Correspondence; Etiquette; Rhetoric; Writing.
Lettering. *See* Alphabets.
Letters.
Refer from Correspondence; Literature.
Letters (of the alphabet). *See* Alphabet.
Letters of marque. *See* Privateering.
Levelling. *See* Surveying.
Lexicons. *See* names of languages, subjects, *etc.*
Libel and slander. *See also* Liberty of speech; Liberty of the press.
Refer from Journalism; Law; Liberty of speech; Liberty of the press; Slander.
Liberty. *See also* Democracy; Free institutions; Religious liberty; Slavery.
Refer from Civil liberty; Democracy; Despotism; Ethics; Free institutions; Freedom; People; Personal liberty; Philosophy; Political science; Religious liberty.
Liberty of conscience. *See also* Dissenters; Heresy; Persecution; Private judgment; Religious liberty.
Refer from Church and state; Conscience; Ethics; Free religion; Heresy; Intolerance; Persecution; Private judgment;

Legal ethics

Leisure class
Leland Stanford junior university
Lemurs

Lepidosteus

Leukemia

Religious liberty; Theology; Toleration.

Liberty of speech. *See also* Libel and slander; Liberty of the press.

Refer from Free speech; Libel and slander; Liberty of the press; Speech.

Liberty of the press. *See also* Journalism; Libel and slander; Liberty of speech; Prohibited books.

Refer from Censorship of the press; Freedom of the press; Journalism; Libel and slander; Liberty of speech; Newspapers; Periodicals; Press; Prohibited books.

Liberty of the will. *See also* Necessity; Predestination; Will.

Refer from Ethics; Free agency; Free will; Freedom of the will; Necessity; Predestination; Psychology; Theology; Will.

Librarians.

Refer from Biography.

Libraries. *See also* Bibliography; Book clubs; Book collecting; Bookbinding; Books and reading; Cataloging; Classification.

Refer from Architecture; Bibliography; Books and reading; Cataloging; Classification; Education; Library economy; Literature; Public libraries.

Library catalogs. *See also* Bibliography; Cataloging; Catalogs, Dict.

Refer from Bibliography; Books and reading; Catalogs; Finding lists.

Library economy. *See* Libraries. science Lib. science

License system. *See* Temperance.

Lichens.

Refer from Botany; Cryptogams; Mosses.

Liens.

Refer from Law; Property.

Life. *See* Biology; Christian life; Conduct of life; Death; Ethics; Future life; Hygiene; Longevity; Man; Philosophy.

Life-boats.

Refer from Boating; Life-saving; Navigation; Shipwrecks.

Life-insurance. *See* Insurance.

Life-saving. *See also* Accidents; Beacons; Drowning; Fires; Life-boats; Lighthouses; Lightning conductors; Shipwrecks.

Refer from Accidents; Drowning; Shipwrecks.

Light. *See also* Blind; Color; Color-blind-

ness; Electric light; Eye; Kaleidoscope; Lighting; Magic lantern; Microscope; Optical instruments; Perspective; Phosphorescence; Photography; Polariscope; Radiation; Rainbow; Sight; Spectacles; Spectrum; Stereoscope; Sun; Telescope; X rays; Zodiacal light.

Refer from Color; Eye; Optics; Physics; Radiation; Senses.

Light, Velocity of

Lighthouses.

Refer from Beacons; Life-saving; Navigation.

Lighting. *See also* Candles; Electric light; Gas; Lamps; Oil. Acetylene; Electricity

Refer from Illumination; Light.

Lightning. *See also* Electricity; Lightning conductors; Thunder-storms.

Refer from Electricity; Meteorology; Thunder-storms.

Lightning conductors.

Refer from Life-saving; Lightning.

Limes. *See* Cement.

Limitations (in law).

Refer from Law.

Linen. *See also* Fibres; Flax; Hemp; Textile fabrics.

Refer from Flax; Textile fabrics.

Linguistics. *See* Language.

Liquids. *See also* Fluids; Hydraulic engineering.

Refer from Fluids; Mechanics; Physics.

Liquor laws

Liquors. *See also* Alcohol; Ale; Beer; Brandy; Brewing; Distillation; Fermentation; Temperance; Wine.

Refer from Alcohol; Beverages; Distillation; Drinks; Food; Manufactures; Spirituous liquors; Stimulants and narcotics; Temperance; Wine.

Litanies. *See also* Liturgies.

Refer from Liturgies; Prayers; Worship.

Literary criticism

Literary history. *See* Bibliography; Literature.

Literary men. *See* Authors; Students.

Literary property. *See* Copyright.

Literary societies. [Here state method of entry of societies.]

Literature. *See also* Anagrams; Anecdotes; Authors; Authorship; Ballads; Bestiaries; Bibliography; Books and reading; Bookselling; Chap-books; Children's literature; Classical literature; Commonplace books; Copyright; Criticism; Dialogues; Drama; Emblems; Epi-

grams; Epitaphs; Essays; Fables; Fairy tales; Fiction; Folk-lore; Hymns; Inscriptions; Journalism; Language; Legends; Letters; Libraries; Manuscripts; Maxims; Mottoes; Newspapers; Orations; Parody; Periodicals; Poetry; Printing; Prose; Proverbs; Quotations; Readers and speakers; Renaissance; Rhetoric; Riddles; Romances; Romanticism; Sagas; Satire; Sermons; Tracts; Wit and humor. [*See also* the report of the Committee on an index to subject headings at the Chicago conference, L.j. 18: C79; *also* Appendix G.]

Lit., comparative
Lit. criticism
Esthetics
Reviews. Names of literatures

Refer from Authors; Belles-lettres; Bibliography; Books and reading; Criticism; Language; Literary history; Poetry; Prose.

Lithography. *See also* Chromolithography.
Refer from Arts, fine; Chromolithography; Engraving.

Lithology. *See* Rocks.

Liturgies. *See also* Burial service; Hymns; Litanies; Missals; Prayers; Responsive worship; Rites and ceremonies; Ritualism; *also* names of churches.
Refer from Catholic church; Church services; Devotional exercises; Litanies; Prayers; Religious services; Responsive worship; Rites and ceremonies; Service-books; Worship.

Live stock. *See* Cattle; Domestic animals; Hog; Horse; Poultry; Sheep.

Liver. *See also* Bilious fever.
Refer from Abdomen; Anatomy; Bilious fever; Viscera.

Liver – Abscesses

Lives. *See* Biography; *also* names of individuals and classes of persons.

Loan associations. *See* Building associations.

Loans. *See also* Finance; Investments; Repudiation.
Refer from Commerce; Finance; Investments.

Local government. *See also* Boroughs; County officers; Gilds; Municipal government; Towns; Village communities; Villages. Subdivided by country or state
Refer from Cities; Municipal government; Political science; Town-meeting; Towns; Village communities.

Cities

Lockjaw.
Refer from Medicine, practice of; Mouth; Tetanus.

Lockouts. *See* Strikes and lockouts.

Locks. *See also* Keys.

Refer from Hardware; Keys.

Locomotion. *See also* Aerial navigation; Animal locomotion; Canals; Canoeing; Carriages; Coaching; Cycling; Flight; Horsemanship; Navigation; Railroads; Roads; Rowing; Running; Skating; Transportation; Travel; Walking; Yachting.

Refer from Motion.

Locomotives. *See also* Railroads; Steam-engine.

Refer from Engines; Machinery; Motors; Railroads; Steam-engine.

Logarithms. *See also* Trigonometry.

Refer from Mathematics; Tables; Trigonometry.

Logic. *See also* Certainty; Evidence; Fallacies; Probabilities.

Refer from Evidence; Fallacies; Intellect; Philosophy; Probabilities; Proof; Psychology; Reason; Science; Thinking; Thought.

Longevity. *See also* Old age; Vital statistics.

Refer from Age; Biology; Hygiene; Life; Man; Old age; Pathology; Physiology.

Longitude.

Refer from Astronomy; Earth; Geography; Nautical astronomy; Navigation.

Looking-glasses. *See* Mirrors.

Lord's prayer.

Refer from Bible; Devotional exercises; Prayer; Prayers; Theology.

Lord's supper. *See also* Church membership; Close communion; Jesus Christ; Mass; Passover; Sacraments; Transubstantiation.

Refer from Altars; Church antiquities; Church membership; Church polity; Close communion; Communion; Confirmation; Devotional exercises; Eucharist; Jesus Christ; Mass; Passover; Protestant episcopal church in the U. S.; Real presence; Sacraments; Theology; Transubstantiation.

Lotteries. *See also* Probabilities.

Refer from Ethics; Gambling.

Love. *See also* Charity; Courtship; Friendship; Marriage; Mothers.

Refer from Charity; Courtship; Ethics;

Friendship; Marriage; Passions; Theology; Woman.

Loyalists, American. *See* American loyalists.

Lumbering. *See also* Forestry; Timber.
Refer from Forestry; Timber; Trees.

Lunacy. *See* Insanity.

Lungs. *See also* Breathing; Consumption; Pneumonia.
Refer from Anatomy; Breathing; Chest; Consumption; Pneumonia.

Lungs-Diseases.

Lutherans

Luxury. *See also* Wealth.
Refer from Wealth.

Lycanthropy. *See* Werwolves.

Lyceums. *See also* Lecturing.
Refer from Education; Lecturing.

Lying. *See also* Truth.
Refer from Ethics; Truth.

Lynch law.
Refer from Law; Mobs.

Lyric poetry. *See also* Ballads; Hymns; Minnesingers; Odes.
Refer from Ballads; Odes; Poetry; Songs.

Machinery. *See also* Agricultural machinery; Belting; Cranes; Electric engineering; Engineering; Engines; Friction; Gearing; Hydraulic engineering; Inventions; Locomotives; Manufactures; Mechanical drawing; Mechanics; Mills; Mines and mining; Motors; Patents; Pumps; Railroads; Steam-engine; Technical education; Timekeepers; Tools; Turning; Water-wheels; Wheels; Windmills.
Refer from Arts, useful; Engineering; Instruments; Labor; Manual training; Manufactures; Mechanical engineering; Mechanics; Mills; Motors; Power; Steam-engine; Tools; Wheels.

Madness. *See* Insanity.

Madonna. *See* Mary, virgin.

Magazines. *See* Periodicals.

Magic. *See* Conjuring; Occult sciences; Witchcraft.

Magic lantern.
Refer from Light; Optical instruments; Projecting; Stereopticon.

Magistrates. *See also* Judges; Justices of the peace; Monarchy.
Refer from Law; Political science.

Magnetic needle. *See* Compass.

Magnetism. *See also* Animal magnetism; Compass; Electricity; Electromagnets.
Refer from Electricity; Physics.

Mahommedanism. *See* Mohammedanism.
Mail. *See* Post-~~office~~. al service
Maize.
Refer from Agriculture; Corn, Indian; Indian corn.
Majolica. *See also* Pottery.
Refer from Pottery.
Malacology. *See* Mollusks.
Malaria. *See also* Malarial fever.
Refer from Medicine; Pathology.
Malarial fever.
Refer from Ague; Fever; Malaria.
Malpractice.
Refer from Medical jurisprudence; Medicine, practice of.

Malonic nitrile.

Malt. *See* Beer; Brewing.
Malta, knights of.
Refer from Chivalry; Hospitallers; Knights hospitallers; Knights of Malta; Knights of St. John; Secret societies.
Mammals. *See also* Apes; Cat; Dog; Domestic animals; Gorilla; Horse; Man; Menageries; Monkeys; Quadrupeds; Seal; Vertebrates; Zoology.
Refer from Quadrupeds; Vertebrates; Zoology.
Man. *See also* Anatomy; Anthropometry; Archaeology; Cannibalism; Civilization; Color of man; Creation; Dwarfs; Ethics; Ethnology; Evolution; Family; Folk-lore; Future life; Giants; Heredity; History; Hygiene; Longevity; Manners and customs; Monsters; Paleontology; Phrenology; Physiognomy; Physiology; Psychology; Religion; Salvation; Sex; Sociology; Soul; Vital statistics; Woman; *also* names of races.
Refer from Anthropology; Archaeology; Civilization; Creation; Ethnology; Evolution; Geology; Human race; Life; Mammals; Natural history; Philosophy; Physiology; Science; Sociology; Zoology.

Man, Origin of

Mandamus.
Refer from Law.

Manganese

Manly exercises. *See* Gymnastics; Physical education; Sports.
Manners. *See* Etiquette.
Manners and customs. *See also* Archaeology; Burial; Cannibalism; Caste; Costume; Drinking customs; Dueling; Eating; Etiquette; Folk-lore; Funerals;

See. life & customs

Kissing; Marriage; Punishment; Rites and ceremonies; Tattooing; Toasts.
Refer from Archaeology; Ceremonies; Customs; Ethics; Folk-lore; Man; Sociology; Usages.

Manual training. *See also* Carpentry; Drawing; Machinery; Sloyd; Technical education; Wood-carving.
Refer from Arts, ~~useful~~; Education; Industrial education; Technical education.

Manufactures. *See also* Arts, ~~useful~~; Beverages; Bricks; Cables; Candles; Carriages; Cars; Chains; Clocks and watches; Clothing; Commerce; Confectionery; Cutlery; Factories; Factory system; Flour; Fuel; Furniture; Gas; Glass; Glue; Gutta-percha; Hardware; Harness; Hats; Hosiery; India-rubber; Labor; Lace; Leather; Liquors; Machinery; Metal-work; Metals; Mills; Needle-work; Paper; Patents; Perfumery; Pottery; Prices; Receipts; Rope; Soap; Shoes; Stationery; Textile fabrics; Timekeepers; Trade-marks; Woodwork.
Refer from Arts, useful; Business; Commerce; Economics; Industrial arts; Machinery; Mills; Technology; Useful arts.

Manures. *See also* Agricultural chemistry; Fertilizers; Peat; Phosphates.
Refer from Agricultural chemistry; Agriculture; Fertilizers.

Manuscripts. *See also* Abbreviations; Illumination; Inscriptions; Writing.
Refer from Bibliography; Books and reading; Diplomatics; Inscriptions; Literature; Paleography; Writing.

Map drawing. *See also* Topographical drawing.
Refer from Drawing; Geography; Maps; Topographical drawing.

Maps. *See also* Atlases; Globes; Map drawing; *also* names of countries, *etc.*
Refer from Atlases; Cartography; Charts; Geography.

Marbling.
Refer from Bookbinding; Painting, mechanical; Paper.

Marine architecture. *See* Ship-building.
Marine insurance. *See* Insurance.
Marine plants. *See* Algæ.
Marine surveying. *See* Nautical surveying.
Marine zoology. *See also* Aquarium; Crus-

Chemistry, Technical

Manuscripts. U.S.-Catalogs

Marine fauna

tacea; Dredging; Fish; Mollusks; Ocean; Seal; Seashore.

Refer from Aquatic animals; Dredging; Ocean; Seashore; Zoology.

Mariner's compass. *See* Compass.

Mariolatry. *See* Immaculate conception; Mary, virgin.

Maritime law. *See also* Admiralty; Insurance; International law; Law, and the references under that subject; Mutiny; Prizes.

Refer from Admiralty; Commercial law; International law; Law.

Maritime surveying. *See* Nautical surveying.

Market gardening. *See* Agriculture; Gardening; Vegetables.

Markets.

Refer from Cities; Commerce; Food.

Marriage. *See also* Adultery; Celibacy; Chastity; Consanguinity; Courtship; Divorce; Family; Husbands; Love; Polygamy; Wives; Woman.

Refer from Archaeology; Church antiquities; Church law; Consanguinity; Courtship; Divorce; Domestic relations; Ethics; Etiquette; Family; Husband and wife; Husbands; Law; Love; Manners and customs; Matrimony; Polygamy; Rites and ceremonies; Sacraments; Sociology; Weddings; Wives; Woman; Woman, *Law*.

Martial law. *See also* Habeas corpus; Military law.

Refer from Habeas corpus; Law; Military art and science; Military law; War.

Martyrs. *See also* Christian biography; Inquisition; Persecution; Saints.

Refer from Christian biography; Church history; Church of England; Heresy; Heroes; Inquisition; Persecution.

Mary, virgin. *See also* Christian art; Immaculate conception; Jesus Christ.

Refer from Catholic church; Immaculate conception; Jesus Christ; Legends; Madonna; Mariolatry; Miracles; Virgin Mary.

Masks (for the face).

Refer from Costume.

Masks (plays).

Refer from Drama; Masques; Theatre.

Masonry. *See also* Arches; Bricks; Bridges; Cement; Concrete; Foundations; Plas-

Marmor Parium, see Parian chroni

Mars

Mason & Dixon's line, see Slave

tering; Stone; Strength of materials; Vaulting; Walls.
Refer from Architecture; Arts, useful; Bricks; Bridges; Building; Engineering; Foundations; Stone; Strength of materials; Walls.

Masons. *See* Freemasonry. Freemasons

Masquerades.
Refer from Amusements; Balls (parties).

Masques. *See* Masks.

Mass. *See also* Lord's supper; Masses; Transubstantiation.
Refer from Altars; Catholic church; Lord's supper; Rites and ceremonies; Theology; Transubstantiation.

Massacres. See also Fort Dearborn, Ill.
Refer from Battles; History; Persecution.

Massage.
Refer from Therapeutics.

Masses (music).
Refer from Church music; Mass; Music.

Master and servant. *See also* Apprentices; Servants.
Refer from Domestic relations; Law; Servants.

Materia medica. *See also* Drugs; Pharmacy; Therapeutics.
Refer from Drugs; Medicine; Pharmacy; Therapeutics.

Materialism. *See also* Evolution; Rationalism; Soul.
Refer from Atheism; Matter; Philosophy; Skepticism; Theology.

Materials, strength of. *See* Strength of materials.

Maternity. *See* Mothers.

Mathematical drawing. *See* Geometrical drawing; Mechanical drawing.

Mathematical instruments. *See also* Arithmetical instruments; Calculating machines.
Refer from Instruments; Mathematics.

Mathematical physics

Mathematics. *See also* Algebra; Arithmetic; Astronomy; Axioms; Calculating machines; Calculus; Conic sections; Engineering; Equations; Geodesy; Geometry; Logarithms; Mathematical instruments; Mechanics; Mensuration; Metric system; Navigation; Numbers; Numerals; Physics; Probabilities; Quaternions; Surveying; Trigonometry.
Refer from Algebra; Conic sections; Geometry; Science; Trigonometry.

Mathematics-Per. - Indexes

Matrimony. *See* Marriage.

Matter. *See also* Atoms; Materialism; Molecules; Physics.

Refer from Dynamics; Mechanics; Philosophy; Physics.

Maxims. *See also* Epigrams; Proverbs; Quotations.

Refer from Adages; Aphorisms; Apothegms; Epigrams; Laconics; Literature; Proverbs; Quotations; Sayings.

Meals. *See* Dining; Eating; Food.

Measures. *See* Mensuration; Weights and measures.

Meat. *See also* Animal food.

Refer from Animal food; Food.

Mechanic arts. *See* Arts, ~~useful.~~

Mechanical drawing. *See also* Architectural drawing; Geometrical drawing; Graphics; Projection.

Refer from Drawing; Engineering; Geometrical drawing; Graphics; Industrial drawing; Machinery; Mathematical drawing; Pattern-making.

Mechanical engineering. *See* Engineering; Machinery; Mechanics.

Mechanics. *See also* Aerial navigation; Engineering; Fluids; Force; Friction; Gases; Hydraulic engineering; Liquids; Machinery; Matter; Motion; Motors; Perpetual motion; Physics; Power; Statics; Steam-engine; Strength of materials.

Refer from Arts, ~~useful~~; Dynamics; Engineering; Fluids; Force; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Kinematics; Kinetics; Machinery; Mathematics; Mechanical engineering; Motion; Physics; Power; Statics.

Mechanics (persons).

Refer from Biography.

Medals. *See* Coins and medals.

Medical botany.

Refer from Botany.

Medical chemistry.

Refer from Chemistry.

Medical education.

Refer from Colleges and universities; Education; Medical schools.

Medical electricity.

Refer from Electricity; Electrotherapeutics; Therapeutics.

Medical jurisprudence. *See also* Autopsy;

Infanticide; Insanity; Malpractice; Poisons; Suicide.

Refer from Insanity; Law; Poisons.

Medical schools. *See* Medical education.

Medicine. *See also* Accidents; Allopathy; Anatomy; Anesthetics; Animal magnetism; Antiseptics; Asylums; Autopsy; Bacteriol. Bacteria; Contagion; Diagnosis; Germ theory; Heredity; Histology; Homeopathy; Hospitals; Hydropathy; Hygiene; Hygiene, public; Inoculation; Invalids; Malaria; Materia medica; Medical; Microscope; Military hygiene; Mind and body; Naval hygiene; Nurses and nursing; Pathology; Pharmacy; Physicians; Physiology; Poisons; Quacks and quackery; Stimulants and narcotics; Surgery; Therapeutics; Vaccination; Veterinary medicine; Woman, *Diseases*.

Refer from Arts, useful; Homeopathy; Hygiene; Pathology; Physiology; Science; Surgery; Therapeutics; Woman, *Diseases*.

Medicine, ~~practice of~~. *See also* Apoplexy; Asthma; Black death; Bronchitis; Cancer; Catarrh; Chicken pox; Children, *Diseases*; Cholera; Clinical medicine; Cold; Consumption; Croup; Deafness; Dyspepsia; Hay-fever; Headache; Heat-stroke; Hysteria; Idiocy; Influenza; Insanity; Insomnia; Lockjaw; Malpractice; Nervous system; Neuralgia; Nurses and nursing; Paralysis; Parasites; Plague; Pneumonia; Rheumatism; Scarlatina; ~~Scarlet fever;~~ Seasickness; Smallpox; Somnambulism; Sore throat; Surgery; Teeth; Therapeutics; Tumors; Varioloid; Voice; Woman, *Diseases*.

Medieval art, geography, *etc.* *See* Art, Geography, *etc.*, under which subdivisions may be made if necessary.

Medieval history. *See* Middle ages.

Meditations. *See* Devotional exercises.

Memoirs. *See* Biography; *also* names of individuals.

Memorial day.

Refer from Decoration day; Holidays.

Memory.

Refer from Education; Intellect; Mental discipline; Mnemonics; Philosophy; Psychology; Teaching.

Anesthesia
Medicine - Study & teaching

Menageries.
Refer from Mammals; Zoological gardens; Zoology.
Mendicity. *See* Begging.
Mensuration. *See also* Gaging; Geodesy; Metric system; Surveying; Weights and measures.
Refer from Arithmetic; Engineering; Geometry; Mathematics; Measures; Metrology; Trigonometry; Weights and measures.
Mental arithmetic. *See* Arithmetic.
Mental discipline. *See* Education; Memory.
Mental diseases. *See* Brain; Idiocy; Illusions; Insanity.
Mental philosophy. *See* Philosophy; Psychology.
Mental physiology. *See* Mind and body.
Mental suggestion. *See* Animal magnetism; Hypnotism.
Mercantile law. *See* Commercial law.
Merchandise. *See* Commerce.
Merchants. *See also* Business; Commerce; Commercial law; Commercial travelers.
Refer from Biography; Business; Commerce.
Mercury.
Refer from Amalgamation; Metals; Mines and mining; Quicksilver.
Mesmerism. *See* Animal magnetism; Hypnotism.
Messiah. *See also* Jesus Christ.
Refer from Jews.
Metal-work. *See also* Brasses; Bronzes; Cutlery; Goldsmithing; Hardware; Ironwork; Jewelry; Plate; Plating; Silversmithing; Soldering.
Refer from Architecture; Arts, fine; Arts, useful; Decoration and ornament; Hardware; Manufactures; Metals.
Metallurgy. *See* Metals.
Metals. *See also* Alchemy; Alloys; Amalgamation; Annealing; Assaying; Blowpipe; Brass; Bronze; Casting; Chemistry; Electrometallurgy; Gold; Hardware; Iron; Lead; Mercury; Metal-work; Mineralogy; Mines and mining; Pattern-making; Precious metals; Silver; Steel; Wire; Didymium; Cerium; Lanthanum; Columbium
Refer from Arts, useful; Assaying; Chemistry; Geology; Manufactures; Metallurgy; Mineralogy; Mines and mining; Ores; Smelting.

Metallography

Metabolism

Aluminium

Metaphor. *See also* Rhetoric.
Refer from Rhetoric.
Metaphysics. *See* Philosophy; Psychology. Knowledge
Metempsychosis. *See* Transmigration.
Meteorites. *See* Meteors.
Meteorology. *See also* Air; Aurora; Barometer; Climate; Clouds; Cold; Dew; Electricity; Evaporation; Fog; Frost; Hail; Heat; Ice; Lightning; Meteors; Ocean; Physical geography; Rain; Rainbow; Seasons; Snow; Storms; Temperature; Thermometer; Thunderstorms; Waterspouts; Weather; Winds.
Refer from Air; Atmosphere; Climate; Clouds; Earth; Physical geography; Physics; Rain; Science; Sky; Water; Weather; Winds.
Meteors.
Refer from Aerolites; Astronomy; Falling stars; Meteorites; Meteorology; Shooting-stars; Stars.
Methodism. *See also* Episcopacy.
Refer from Church polity; Episcopacy.
Methodist episcopal church.
Refer from Episcopal church; Sects; Wesleyans.
Metre. *See also* Poetry; Prosody; Versification.
Refer from Poetry; Prosody; Versification.
Metric system. *See also* Decimal system; Weights and measures.
Refer from Arithmetic; Decimal system; Mathematics; Mensuration; Weights and measures.
Metrology. *See* Mensuration; Weights and measures.
Microbes. *See* Bacteria; Fungi. Bacteriol.
Microphotography. *See* Photomicrography.
Microscope. *See also* Photomicrography.
Refer from Animalcules; Botany; Histology; Light; Medicine; Natural history; Optical instruments; Science; Zoology.
Middle ages. *See also* Castles; Chivalry; Crusades; Feudalism; Inquisition; Monasticism; Renaissance. Holy Roman empire. Europe-Hist.
Refer from Archaeology; Chivalry; Church history; Crusades; Dark ages; Feudalism; History; History, medieval; History, modern; Medieval history; Renaissance.
Military architecture. *See also* Arsenals; Castles; Fortification.
Refer from Architecture, military; Cas-

Methyl ether
Methyl-Pyridine
" (& compounds)

Miami Indians, See Indians of N.A.
+ microscopy

tles; Fortification; Military art and science; Military engineering.

Military art and science. *See also* Ammunition; Arms and armor; Artillery; Battles; Bayonet; Camps; Cavalry; Chariots; Conscription; Explosives; Fencing; Firearms; Flags; Fortification; Gunnery; Hospitals; Infantry; Martial law; Military architecture; Military biography; Military education; Military engineering; Military history; Military hygiene; Military law; Military surgery; Militia; Mutiny; Naval art and science; Ordnance; Peace; Projectiles; Sieges; Signals; Soldiers; Sword; Tactics; Tents; Torpedoes.

Refer from Army; Artillery; Cavalry; Drill; Fighting; Infantry; Ordnance; Science; Sieges; Soldiers; Strategy; Tactics; War.

Military biography. *See also* Generals; Soldiers; U.S. - Hist. - Rev. - Biog.

Refer from Biography; Generals; Military art and science; Military history; Soldiers.

Military education.

Refer from Education; Military art and science; Military schools.

Military engineering. *See also* Bridges; Engineering; Fortification; Military architecture.

Refer from Engineering; Military art and science.

Military history. *See also* Battles; Military biography; Naval history; Sieges; *also* names of countries, wars, battles, places besieged, generals, *etc.*

Refer from History; Military art and science.

Military hygiene. *See also* Military surgery; Naval hygiene.

Refer from Hygiene; Medicine; Military art and science.

Military law. *See also* Courts martial; Martial law. subd. by country etc.

Refer from Courts martial; Law; Martial law; Military art and science.

Military schools. *See* Military education.

Military surgery. *See also* ~~Ambulances~~; Amp~~utation; Naval surgery; Wounds~~. Surgery, Military

Refer from Military art and science; Military hygiene; Naval surgery; Surgery.

Militia. *See also* names of states and countries.
Refer from Military art and science.

Milk. *See also* Butter; Cheese; Cow; Dairy.
Refer from Agriculture; Beverages; Cattle; Cow; Dairy; Food.

Millennium. *See also* Future life; Jesus Christ; Second advent.
Refer from Future life; Jesus Christ; Second advent; Theology.

Millerites. *See* Second adventists.

Millinery. *See also* Costume; Hats; Head-gear.
Refer from Costume; Hats; Head-gear.

Mills. *See also* Factories; Machinery; Manufactures.
Refer from Arts, useful; Factories; Machinery; Manufactures.

Mind. *See* Intellect; Psychology.

Mind and body. *See also* Animal magnetism; Brain; Dreams; Hypnotism; Idiocy; Insanity; Nervous system; Psychology; Subconsciousness.
Refer from Body and mind; Brain; Faith-cure; Hygiene; Insanity; Medicine; Mental physiology; Mind-cure; Nervous system; Philosophy; Physiology; Psychology.

Mind-cure. *See* Animal magnetism; Christian science; Faith-cure; Mind and body.

Mind-reading. *See also* Animal magnetism; Clairvoyance; Hypnotism.
Refer from Animal magnetism; Clairvoyance; Psychology; Spiritualism; Telepathy; Thought-transference.

Mineral waters

Mineralogy. *See also* Assaying; Blowpipe; Coal; Crystallography; Diamonds; Gems; Geology; Metals; Mines and mining; Precious stones; Rocks; Stone.
Refer from Blowpipe; Chemistry; Crystallography; Diamonds; Geology; Metals; Mines and mining; Natural history; Ores; Rocks; Science.

Mines & mineral resources

Mines and mining. *See also* Blasting; Coal; Engineering; Explosives; Gold; Iron; Lead; Mercury; Metals; Mineralogy; Silver; Tunnels; Ventilation.
Refer from Arts, ~~useful~~; Coal; Earth; Engineering; Geology; Gold; Hydraulic engineering; Iron; Machinery; Metals; Mineralogy; Mining; Ores; Quarrying; Silver.

See also Mining law
Lead mines & mining; Zinc mines & mining; iron....
Subd. by country, state etc.

Miniature painting.
Refer from Arts, fine; Painting; Portrait painting.

Mining. *See* Mines and mining.

Ministers (of the gospel). *See also* Christian biography; Clergy; Curates; Missionaries; Ordination; Preachers; Preaching; Priests.
Refer from Biography; Christian biography; Church polity; Clergy; Parsons; Pastors; Preachers; Priests; Rectors.

Ministers (of state). *See also* Ambassadors; Chancellors; Diplomacy; International law; Prime ministers; Treaties.
Refer from Biography.

Minnesingers.
Refer from Bards; Lyric poetry; Minstrels; Poetry; Poets.

Minorities.
Refer from Election (in politics); Political science; Representation.

Minstrels. *See also* Bards; Minnesingers; Troubadours; Trouvères.
Refer from Bards; Poets.

Mint. *See* U. S., *Mint; also* names of other countries.

Miracle-plays. *See also* Drama.
Refer from Drama; Morality-plays; Mysteries (dramatic); Passion-play; Theatre.

Miracles. *See also* Jesus Christ; Mary, virgin; Relics; Saints; Spiritualism.
Refer from Bible; Catholic church; Christianity; Church history; Jesus Christ; Relics; Religion; Supernatural; Theology.

Mirrors.
Refer from Furniture; Looking-glasses.

Missals.
Refer from Catholic church; Liturgies.

Missionaries.
Refer from Biography; Christian biography; Evangelists; Heroes; Ministers (of the gospel).

Missions. *See also* Conversion; Revivals; Tract societies.
Refer from Catholic church; Christianity; Church history; Conversion; Foreign missions; Home missions; Religion; Theology.

Mistakes. *See* Blunders.

Mnemonics. *See* Memory.

Mobs. *See* Lynch law; Riots.

Modern art, geography, history, *etc.* *See*

Morphology. *See also* Anatomy; Embryology; Histology.
Refer from Physiology.

Mortality.
Refer from Death rate; Vital statistics.

Mortar. *See* Cement.

Mortgages.
Refer from Contracts; Investments; Law; Negotiable instruments; Property; Real property; Securities.

Mosaics.
Refer from Arts, fine; Decoration and ornament; Floors; Pavements; Wall decoration.

Mosses. *See also* Algæ; Lichens.
Refer from Botany; Bryology; Cryptogams.

Mothers. *See also* Children.
Refer from Children; Family; Love; Maternity; Parents; Wives; Woman.

Moths. *See also* Caterpillars; Lepidoptera.
Refer from Insects; Lepidoptera.

Motion. *See also* Force; Locomotion; Mechanics; Motors; Perpetual motion.
Refer from Dynamics; Kinematics; Kinetics; Mechanics; Physics.

Motors. *See also* Compressed air; Dynamos; Electric motors; Engines; Locomotives; Machinery; Steam-engine; Waterwheels; Windmills.
Refer from Machinery; Mechanics; Motion; Physics; Power.

Mottoes. *See also* Devices.
Refer from Devices; Literature.

Mould. *See also* Fungi.
Refer from Fungi.

Moulding. *See* Casting.

Mound-builders. *See also* Indians; U. S., *Antiquities*.
Refer from Archaeology; Ethnology; Indians of North America.

Mounds. *See also* Shell mounds.
Refer from Archaeology; Barrows; Burial; Tombs; Tumuli.

Mountaineering. *See also* Alpine clubs.
Refer from Alpine clubs; Mountains; Sports.

Mountains. *See also* Alpine clubs; Alpine plants; Alpine zoology; Avalanches; Geology; Mountaineering; Physical geography; Volcanoes; *also* names of mountains.
Refer from Geology; Physical geography.

Mortgages - Personal property
" - Real property
" - Cases

Mouth. *See also* Lockjaw; Teeth.
Refer from Anatomy; Face; Head.

Mummies. *See also* Embalming.
Refer from Archaeology; Burial; Embalming.

Municipal corporations. *See also* Municipal government; Towns.
Refer from Corporations; Law; Municipal government; Municipal law.

Municipal government. *See also* Cities; Local government; Municipal corporations.
Refer from Cities; Local government; Municipal corporations; Political science; Towns.

Municipal law. *See* also Law; Municipal corporations.

Mural decoration. *See* Wall decoration.

Murder. *See also* Assassination; Infanticide; Poisons; Suicide; Treason; Trials.
Refer from Assassination; Criminal law; Death; Homicide; Law.

Museums. *See also* Art galleries; Botanical museums; Exhibitions; *also* names of museums.
Refer from Exhibitions.

Mushrooms. *See also* Fungi.
Refer from Food; Fungi; Toadstools.

Music. *See also* Anthems; Cantatas; Carols; Chanting; Chants; Church music; Composition; Concerts; Counterpoint; Duets; Glees; Harmony; Hymns; Instrumental music; Instrumentation; Masses; Musical education; Musical instruments; Musicians; National songs; Opera; Oratorio; School music; Singing; Songs; Sound; Symphonies; Voice. Esthetics, Names of musicians
Refer from Amusements; Arts, ~~fine~~; Composition, musical; Criticism; Esthetics; Harmony; Instrumental music; Singing; Sound; Vocal music; Voice.

Musical education. *See also* Voice.
Refer from Education; Music.

Musical instruments. *See also* Instrumental music; Instrumentation; Orchestral music; Organ; Pianoforte; Tuning; Violin. Boehm flute
Refer from Instrumental music; Instruments; Music.

Musicians. *See also* Pianists; Singers.
Refer from Artists; Authors; Biography; Composers; Music.

Multiplication-tables.

Municipal ownership
" reform

Music-Classification.
" - Instruction & study.

Musical form
" interpetation

Mutiny.
Refer from Criminal law; Law; Maritime law; Military art and science.

Mutual benefit societies. *See* Friendly societies.

Mycology. *See* Fungi.

Mysteries (dramatic). *See* Miracle-plays.

Mysteries (religious). *See also* Mythology.
Refer from Mythology; Religion.

Mysticism. *See also* Rosicrucians.
Refer from Philosophy; Religion; Theology.

Mythology. *See also* Animals, legends and stories of; Animals, worship of; Archaeology; Argonauts; Aryans; Classical dictionaries; Fairy tales; Fauns; Folk-lore; Indians; Legends; Mysteries; Religions; Sagas; Superstition; Totems.
Refer from Archaeology; Classical antiquities; Ethnology; Folk-lore; God; Heroes; Legends; Mysteries (religious); Religion; Religions; Superstition.

Mythology, classical
" Norse.
" Greek.

Names (geographical).
Refer from Etymology; Geographical names; Geography; Language.

N rays

Names (personal). *See also* Nicknames; Pseudonyms.
Refer from Etymology; Language; Proper names; Surnames.

Narcotics. *See* Stimulants and narcotics.

Nasal passages. *See* Nose.

National banks. *See* Banks.

Banks of Eng.

National songs. *See also* Folk-songs.
Refer from Folk-songs; Music; Songs.

National characteristics

Nationalism. *See* Socialism.

Nations, law of. *See* International law.

Natural history. *See also* Aquarium; Biology; Botany; Chemistry; Classification; Evolution; Geology; Hunting; Man; Microscope; Mineralogy; Naturalists; Nature; Nature study; Ocean; Paleontology; Physical geography; Physics; Science; Taxidermy; Zoology.
Refer from Biology; Botany; History, natural; Natural science; Nature; Outdoor life; Science; Zoology.

Subdiv. by country etc.

Natural philosophy. *See* Physics.

Natural religion. *See also* Atheism; Christianity; Creation; Deism; Ethics; Future life; God; Religion; Religion and science; Theology.
Refer from Atheism; God; Natural the-

ology; Philosophy; Religion; Religion and science; Theology.

Natural science. *See* Natural history; Physics; Science.

Natural selection. *See* Evolution.

Natural theology. *See* Natural religion.

Naturalists. *See also* Scientists.
Refer from Authors; Biography; Natural history; Scientists.

Naturalization. *See also* Citizenship.
Refer from Aliens; Allegiance; Citizenship; Immigration; International law; Suffrage.

Nature. *See also* Earth; Natural history; Science.
Refer from Natural history; Philosophy; Physical geography; Science.

Nature study. *See also* Object-teaching.
Refer from Education; Kindergarten; Natural history; Object-teaching; Science; Teaching.

Nautical almanacs.
Refer from Almanacs; Astronomy; Ephemerides; Navigation.

Nautical astronomy. *See also* Latitude; Longitude; Navigation.
Refer from Astronomy; Navigation.

Nautical surveying. *See also* Navigation; Surveying.
Refer from Hydrography; Marine surveying; Maritime surveying; Navigation; Surveying.

Naval architecture. *See* Ship-building.

Naval art and science. *See also* Armored vessels; Blockade; Naval artillery; Naval biography; Naval history; Naval hygiene; Naval tactics; Navigation; Privateering; Ship-building; Submarine warfare; Torpedoes.
Refer from Fighting; Military art and science; Naval warfare; Navy; Science; Sea power; Ships; Strategy; War.

Naval art & science - Study & teaching.

Naval artillery.
Refer from Artillery; Naval art and science; Ordnance.

Naval battles. *See* Naval history.

Naval biography. *See also* Admirals; Sailors.
Refer from Admirals; Biography; Naval art and science; Naval history; Sailors.

Naval history. *See also* Battles; Buccaneers; Naval biography; Navigation; Pirates; Privateering; names of countries, wars, etc.
Refer from History; Military history;

Naval art and science; Naval battles; Navigation; Sea power.

Naval hygiene. *See also* Quarantine; Seasickness.

Refer from Hygiene; Medicine; Military hygiene; Naval art and science.

Naval surgery. *See also* Amputation; Military surgery; Wounds.

Refer from Military surgery; Surgery.

Naval tactics.

Refer from Naval art and science; Tactics.

Naval warfare. *See* Naval art and science.

Navigation. *See also* Aerial navigation; Beacons; Boating; Canals; Canoeing; Coast pilots; Collisions; Commerce; Compass; Harbors; Inland navigation; Knots; Latitude; Life-boats; Lighthouses; Longitude; Nautical almanacs; Nautical astronomy; Nautical surveying; Naval history; Ocean; Pirates; Rowing; Sailing; Sailors; Ship-building; Ships; Shipwrecks; Signals; Steam navigation; Voyages and travels; Yachting. also names of countries, rivers etc.

Refer from Arts, useful; Astronomy; Boating; Carriers; Commerce; Locomotion; Mathematics; Nautical astronomy; Nautical surveying; Naval art and science; Naval history; Ocean; Sailing; Seamanship; Ships; Steam navigation; Trigonometry; Vessels; Yachting.

Navy. *See* Naval art and science; *also* names of countries, subhead *Navy*.

Nebulæ.

Refer from Astronomy.

Necessity. *See also* Liberty of the will; Predestination.

Refer from Liberty of the will; Philosophy.

Necromancy. *See* Conjuring; Witchcraft.

Needlework. *See also* Dressmaking; Embroidery; Fancy work; Lace; Sewing schools; Tapestry.

Refer from Arts, fine; Domestic economy; Dressmaking; Embroidery; Fancy work; Lace; Manufactures; Sewing; Woman.

Negligence. Negligence, contributory

Refer from Law.

Negotiable instruments. *See also* Bonds; Commercial law; Exchange; Interest; Investments; Mortgages; Stocks.

Refer from Commercial law; Law.

Negroes. *See also* African colonization; Color of man; Freedmen; Slave-trade; Slavery.
Refer from Colored people; Ethnology; Freedmen; Slavery.

Negroes - Maryland
" - Education

Nerves. see Nervous system
Refer from Anatomy; Nervous system.

Nervous system (including diseases). *See also* Brain; Headache; Hysteria; Insanity; Mind and body; Nerves; Neuralgia; Spine; Temperament.
Refer from Anatomy; Brain; Insanity; Medicine, practice of; Mind and body; Neurology; Physiology; Spine; Temperament.

Nervous system-Diseases

Nestorians.
Refer from Eastern churches; Sects.

Nests. *See also* Birds; Eggs.
Refer from Birds; Zoology.

Neuralgia.
Refer from Medicine, practice of; Nervous system.

Neuralgia, Facial

Neurology. *See* Nervous system.

Neutrality. *See also* Blockade; International law.
Refer from Blockade; International law; Law.

New church. *See* New Jerusalem, church of the.

New Jerusalem, church of the.
Refer from New church; Sects; Swedenborgianism.

New Plymouth colony

New-year.
Refer from Holidays.

Newspapers. *See also* Journalism; Liberty of the press; Periodicals.
Refer from Journalism; Literature; Periodicals; Press.

Nicene creed.
Refer from Church of England; Creeds.

Nicknames. *See also* Pseudonyms.
Refer from Names (personal); Pseudonyms; Sobriquets; Soubriquets.

Night. *See also* Dew; Dreams; Nightmare; Sleep; Somnambulism.
Refer from Days.

Nightmare. *See also* Dreams.
Refer from Dreams; Incubus; Night; Sleep.

Niobium see Columbium
Nitriles, Alkyl malonic.
" alcohol

Nihilism. *See also* Anarchy; Russia.
Refer from Anarchy; Philosophy; Political science; Secret societies.

Nobility. *See* Heraldry; Peerage.

Noctuids

Noise. *See also* Sound.
Refer from Sound.
Noms de plume. *See* Pseudonyms.
Nonconformists. *See also* Church of England; Dissenters; Nonjurors; Puritans.
Refer from Christian biography; Church of England; Dissenters; Puritans.
Nonjurors.
Refer from Church of England; Dissenters; Nonconformists; Puritans.
Nonresistance. *See* Peace.
Normal schools.
Refer from Education; Schools; Teachers.
North American Indians. *See* Indians of North America.
North pole. *See also* Arctic regions.
Refer from Arctic regions; Earth; Polar regions.
Northeast boundary of the U. S.
Refer from Boundaries.
Northeast passage. *See also* Arctic regions.
Refer from Arctic regions.
Northern lights. *See* Aurora.
Northmen. *See also* America, *Discovery;* Scandinavia.
Refer from Vikings.
Northwest boundary of the U. S.
Refer from Boundaries.
Northwest passage. *See also* Arctic regions.
Refer from Arctic regions.
Nose. *See also* Catarrh; Smell.
Refer from Anatomy; Breathing; Face; Head; Nasal passages; Smell.
Novelists.
Refer from Authors; Fiction.
Novels. *See* Fiction.
Nuisance (law).
Refer from Law.
Nullification. *See also* State rights.
Refer from Political science; State rights.
Numbers [theory of]. *See also* Arithmetic; Numerals.
Refer from Algebra; Arithmetic; Mathematics; Numerals.
Numerals [the signs and words]. *See also* Numbers.
Refer from Arithmetic; Mathematics; Numbers.
Numismatics. *See* Coins ~~and medals~~.
Nunneries. *See also* Abbeys; Convents; Monasticism; Nuns.
Refer from Catholic church; Church history; Convents; Monasteries; Monasticism; Nuns; Sisterhoods.

Northern securities company.

Norwegians in the U.S.

Nose - Diseases
Notaries

Nuns. *See also* Nunneries.
Refer from Monasticism; Nunneries; Sisterhoods; Woman.

Nurses and nursing. *See also* Accidents; Diet; Hospitals.
Refer from Hospitals; Hygiene; Invalids; Medicine; Medicine, practice of; Therapeutics; Woman.

Nurserise (Horticulture)

Oaths. *See also* Swearing.
Refer from Ethics; Political science; Swearing.

Obelisks.
Refer from Archaeology; Architecture; Monuments.

Obesity. *See* Corpulence.

Object-teaching. *See also* Kindergarten; Nature study.
Refer from Education; Kindergarten; Nature study; Teaching.

Obstetrics

Occult sciences. *See also* Alchemy; Astrology; Divination; Second sight; Spiritualism; Theosophy; Witchcraft.
Refer from Magic; Superstition; Witchcraft.

Occupations, Dangerous.

Ocean. *See also* Algæ; Commerce; Dredging; Marine zoology; Naval; Navigation; Phosphorescence; Physical geography; Seashore; Seasickness; Ships; Shipwrecks; Tides; Voyages and travels; Water; Waves.
Refer from Currents; Dredging; Marine zoology; Meteorology; Natural history; Navigation; Physical geography; Sea; Seashore; Tides; Water.

Odd-fellows.
Refer from Friendly societies; Independent order of odd-fellows; Secret societies.

Odes. *See also* Lyric poetry.
Refer from Lyric poetry; Poetry.

Odontology. *See* Teeth.

Odors. *See also* Perfumery; Smell.
Refer from Flowers; Perfumes.

Office, tenure of. *See* Civil service.

Oil. *See also* Lamps; Petroleum.
Refer from Fat; Lighting.

Oil-painting. *See also* Painting.
Refer from Painting.

Old age. *See also* Age; Longevity; Pensions.
Refer from Age; Longevity.

Old age pensions-Bibl.

Old English language

Omens. *See also* Astrology; Divination; Oracles.
Refer from Divination; Presages; Signs; Superstition; Warnings.

Ontology. *See* Being; Philosophy.
Oology. *See* Birds; Eggs.
Opera. *See also* Amateur operas.
Refer from Amusements; Drama; Music; Theatre.
Ophthalmia. *See* Eye.
Opium. *See also* Morphia.
Refer from Morphia; Stimulants and narcotics; Temperance.
Optical instruments. *See also* Astronomical instruments; Kaleidoscope; Magic lantern; Microscope; Polariscope; Spectacles; Spectrum; Stereoscope; Telescope. Spectroscope
Refer from Instruments; Light; Optics; Philosophical instruments.
Optics. *See* Light; Optical instruments.
Oracles.
Refer from Omens; Prophecies; Religion; Superstition.
Orations. *See also* Oratory. Amer. or.
Refer from Addresses; Elocution; Literature; Oratory; Readers and speakers; Speeches.
Oratorio. *See also* Cantatas.
Refer from Church music; Music.
Orators.
Refer from Biography; Elocution; Speakers.
Oratory. *See also* Debating; Elocution; Eloquence; Gesture; Lecturing; Orations; Preaching; Rhetoric; Voice; Greek oratory
Refer from Debating; Elocution; Eloquence; Orations; Rhetoric; Speaking; Speeches; Voice.
Orchards. *See* Fruit.
Orchestral music. *See also* Instrumental music.
Refer from Instrumental music; Musical instruments.
Orchids.
Refer from Botany; Floriculture; Flowers.
Orders (architectural).
Refer from Architecture.
Orders, monastic. *See* Monasticism.
Orders of knighthood. *See* Chivalry.
Ordination.
Refer from Bishops; Church polity; Clergy; Episcopacy; Ministers (of the gospel); Priests; Rites and ceremonies; Sacraments.
Ordnance. *See also* Ammunition; Arsenals; Artillery; Firearms; Gunnery; Gun-

Ophthalmology see Ophthalmoscope

Orators, American

Orbits

Orders (in law) see Rules & orders (in law)

powder; Military art and science; Naval artillery; Projectiles.
Refer from Arms and armor; Artillery; Cannon; Firearms; Gun; Gunnery; Military art and science; Projectiles.
Ores. *See* Metals; Mineralogy; Mines and mining.
Organ. *See also* Church music.
Refer from Church music; Musical instruments.
Origin of species. *See* Evolution; Species, Origin of
Original sin. *See* Sin.
Ornament. *See* Decoration and ornament.
Ornamental alphabets. *See* Alphabets; Illumination.
Ornithology. *See* Birds.
Orphans. *See also* Adoption; Foundlings.
Refer from Children.
Orthodoxy. *See also* Calvinism; Congregationalism.
Refer from Calvinism; Congregationalism; Theology.
Orthoepy. *See* Phonetics; Pronunciation.
Orthographic projection. *See* Projection.
Orthography. *See* Spelling.
Orthopedics. *See* Deformities.
Osteology. *See* Bones.
Outdoor life. *See also* Camping; Country life; Fishing; Hunting; Natural history; Sports.
Refer from Country life; Rural life.
Ox. *See also* Cattle.
Refer from Agriculture; Cattle; Domestic animals.
Oxford movement.
Refer from Catholic church; Church of England; Puseyism; Tractarianism.
Oyster. *See also* Pearls.
Refer from Food; Mollusks.
Pageants. *See also* Processions.
Refer from Archaeology; Festivals; Processions.
Pain. *See also* Anesthetics; Pleasure; Suffering; Vivisection.
Refer from Emotions; Pleasure; Psychology; Suffering.
Paint. *See also* Color; Painting.
Refer from Chemistry; Painting; Painting, mechanical; Pigments.
Painted glass. *See* Glass-painting.
Painters. *See also* Artists.
Refer from Artists; Biography; Painting.
Painting. *See also* Anatomy for artists; Artists; Art, ~~fine~~; China painting;

Organic chemistry, see chemistry, Organic
Orient, see East (Far

Orthagoriscus mola Linn.

Overruled cases, see law-Overruled
Overland journeys to the Pacific
Refer from U.S.-Desc. & trav.
The West-Descr. & trav.
oxiphenylurethane

Ozone
Pahlari lit.

~~Painting, Italian~~
~~Painting~~, Greek.

Color; Decoration; Drawing; Esthetics; Figure painting; Frescoes; Glass-painting; Illumination; Landscape painting; Miniature painting; Oil-painting; Paint; Painters; Painting, mechanical; Paintings; Perspective; Portrait painting; Wall decoration; Water-color painting.

Refer from Archaeology; Arts, fine; Color; Composition; Decoration and ornament; Graphic arts; Oil-painting; Paint; Paintings; Sketching; Water-color painting.

Painting, mechanical. *See also* Alphabets; Carriage painting; Color; Gilding; Graining; House painting; Marbling; Paint; Sign painting; Varnishing.

Refer from Arts, useful; Carriage painting; Graining; House painting; Painting; Sign painting; Varnishing.

Paintings. *See also* Art galleries; Painting; Portraits.

Refer from Painting; Pictures.

Palaces.

Refer from Architecture.

Palatinates, see also Maryland - Hist. - Col. & prov.

Paleography. *See* Inscriptions; Manuscripts; Writing.

Paleontology. *See also* Footprints; Geology.

Refer from Botany; Fossils; Geology; Man; Natural history; Petrifaction; Science; Zoology.

Palmistry.

Refer from Amusements; Cheirosophy; Chiromancy; Divination; Fortune-telling; Hand; Superstition.

Palsy. *See* Paralysis.

Panics. *See also* Speculation.

Refer from Commerce; Commercial crises; Crises; Economics; Finance; Speculation; Stock exchange.

Pantheism. *See also* God.

Refer from God; Philosophy; Religion; Skepticism; Theology.

Pantomime. *See also* Gesture; Shadow pantomimes.

Refer from Acting; Amateur theatricals; Amusements; Drama; Gesture; Sign language; Theatre.

Papacy. *See* Catholic church; Popes.

Paper. *See also* Marbling.

Refer from Manufactures; Printing; Stationery; Writing.

Paper-hanging.
Refer from House decoration; Wall decoration.
Paper money. *See also* Bank notes; Banks; Finance; Greenbacks; Legal tender; Money.
Refer from Bank notes; Bills of credit; Bills of exchange; Counterfeits; Greenbacks; Money.
Parables. *See also* Allegories; Bible; Fables; Jesus Christ.
Refer from Allegories; Bible; Jesus Christ.
Paradise. *See also* Fall of man.
Refer from Bible.
Paralysis. *See also* Apoplexy.
Refer from Brain; Medicine, practice of; Palsy.
Parasites. *See also* Bacteria; Fungi.
Refer from Botany; Insects; Medicine, practice of; Skin; Worms; Zoology.
Parents. *See also* Ancestor-worship; Children; Domestic education; Family; Fathers; Heredity; Mothers.
Refer from Children; Ethics; Family.
Parks. *See also* Commons; Landscape gardening.
Refer from Land; Landscape gardening.
Parliament. *See* ~~England~~, *Parliament; also* names of other countries.
Parliamentary practice.
Refer from Debating; Law; Legislation; Rules of order.
Parody.
Refer from Literature; Poetry; Satire; Wit and humor.
Parsees. *See also* Avesta.
Refer from Avesta; Fire-worshipers; Religions;
Parsons. *See* Ministers (of the gospel).
Parties. *See* Balls.
Parties, political. ~~*See also*~~ names of parties.
Refer from Political parties; Political ~~science~~.
Partnership. *See also* Agents; Corporations.
Refer from Commerce; Commercial law; Contracts; Law.
Passion-play. *See* Miracle-plays.
Passions. *See also* Emotions; Gambling; Love.
Refer from Emotions; Ethics; Philosophy; Psychology.
Passover. *See also* Lord's supper.
Refer from Jews; Lord's supper.

Papyri

Bacterial.

Parsis

See pol. parties

Partnership - Cases

Pastoral poetry.
Refer from Bucolic poetry; Country life; Eclogues; Poetry; Rural poetry.
Pastors. *See* Clergy; Ministers; Preaching.
Pastry. *See* Cookery.
Patents. *See also* Inventions; Trade-marks.
Refer from Arts, ~~useful~~; Discoveries (in science); Inventions; Law; Machinery; Manufactures; Trade-marks.
Pathology. *See also* Abscess; Autopsy; Bacteria; Blood; Contagion; Diagnosis; Epidemics; Fever; Germ theory; Hair; Hemorrhage; Histology; Hygiene; Inflammation; Longevity; Malaria; Medicine.
Refer from Clinical medicine; Disease; Hygiene; Medicine; Physiology; Surgery; Therapeutics.
Patience.
Refer from Ethics.
Patience (game).
Refer from Cards; Games; Solitaire.
Patriarchs.
Refer from Bible; Biography; Jews.
Patriotism.
Refer from Citizenship; Ethics; Political science.
Patristics. *See* Fathers of the church.
Patrons of husbandry. *See* Grangers.
Pattern-making.
Refer from Casting; Mechanical drawing; Metals.
Pauperism. *See* Poor.
Pavements. *See also* Concrete; Mosaics; Roads.
Refer from Floors; Roads.
Pawnbroking.
Refer from Banks and Banking; Commerce.
Peace.
Refer from Ethics; International law; Military art and science; Nonresistance; Sociology; War.
Pearls.
Refer from Diving; Jewelry; Mollusks; Oyster; Precious stones.
Peasantry.
Refer from Agriculture; Country life; Labor.
Peat.
Refer from Fuel; Geology; Manures; Physical geography.
Pedagogics. *See* Teaching.
Pedestrianism. *See* Walking.

Pedigrees. *See* Genealogy; Heraldry; Horse.

Peerage. *See also* Heraldry.
Refer from Baronage; Baronetage; Biography; Heraldry; Nobility.

Penal institutions. *See* Prisons; Reformatories.

Penance. *See also* Absolution; Confession; Pilgrimage; Repentance.
Refer from Absolution; Catholic church; Church polity; Confession; Repentance; Sacraments; Theology.

Pendulum.
Refer from Astronomy; Clocks and watches; Geodesy; Physics; Timekeepers.

Penitence. *See* Repentance.

Penitentiaries. *See* Prisons.

Penmanship. *See also* Alphabets; Writing.
Refer from Handwriting; Writing.

Penology. *See* Punishment.

Pensions. Subd. by country etc.
Refer from Old age; Poor; Soldiers.

People. *See also* Democracy; Folk-lore; Labor; Liberty; Poor; Sociology.
Refer from Sociology.

Perfumery.
Refer from Chemistry; Cosmetics; Costume; Manufactures; Odors; Perfumes; Toilet.

Perfumes. *See* Odors; Perfumery.

Periodicals. [All special periodicals should be entered under their subject. They may also be entered here alphabetically under title.] *See also* Advertising; Journalism; Liberty of the press; Newspapers.
Refer from Journalism; Literature; Magazines; Newspapers; Press.

Perpetual motion.
Refer from Mechanics; Motion.

Persecution. *See also* Friends; Huguenots; Inquisition; Jews; Liberty of conscience; Martyrs; Massacres; Religious liberty; Witchcraft.
Refer from Catholic church; Church history; Fanaticism; Heresy; Liberty of conscience; Martyrs; Religious liberty.

Personal liberty. *See* Liberty.

Personal property. *See also* Property; Sale; Taxation. Mortgages
Refer from Law; Property.

Pellia

Pelopium, see Columbium

Pelvis - Diseases

Peninsular war, 1809-1814

Pentateuch, see Bible. O.T. Pent.

Peripatetics.

Persia - Religion, see also Parsees

Persian lit., see also Pahlavi lit.

Perspective. *See also* Drawing; Projection; Shadows.
Refer from Drawing; Geometrical drawing; Geometry; Light; Painting; Projection.
Pessimism.
Refer from Philosophy.
Pests. *See* Agricultural pests; Fungi; Household pests; Insects.
Petrifaction. *See* Paleontology.
Petrography. *See* Rocks.
Petroleum.
Refer from Fuel; Geology; Oil.
Petrology. *See* Rocks.
Pets. *See* Domestic animals.
Phanerogams. *See also* Botany, and references under that heading.
Refer from Botany.
Phantoms. *See* Apparitions.
Pharmacy. *See also* Apothecaries; Drugs; Homeopathy; Materia medica; Prescriptions.
Refer from Apothecaries; Chemistry; Drugs; Materia medica; Medicine; Prescriptions; Therapeutics.
Philanthropists.
Refer from Biography; Philanthropy.
Philanthrophy. *See* Charities; Charity; Philanthropists; Social settlements.
Philology. *See* Language. also names of languages
Philosophers.
Refer from Biography.
Philosophical instruments. *See also* Air-pump; Astronomical instruments; Optical instruments.
Refer from Instruments.
Philosophical societies. *See* names of societies.
Philosophy. *See also* Agnosticism; Atheism; Axioms; Being; Belief; Biology; Brain; Certainty; Chance; Christianity; Consciousness; Creation; Deism; Emotions; Epicureans; Esthetics; Eternity; Ethics; Evidence; Evolution; Fate; Force; Future life; Genius; God; Habit; History, philosophy of; Idealism; Imagination; Infinite; Insanity; Intellect; Knowledge; Liberty; Logic; Man; Materialism; Matter; Memory; Mind and body; Mysticism; Natural religion; Nature; Necessity; Nihilism; Pantheism; Passions; Pessimism; Physics; Platonists; Positivism; Psychology; Rationalism; Realism; Reason;

Phase rule & equilibrium
Pharmaceutical societie
Pharmacology
Phenylhydrazine
Phenylthiosalicylic acid.
Phenyl compounds

Religion; Religion and science; Scholastic philosophy; Science; Senses; Skepticism; Soul; Space; Spiritualism; Stoics; Supernatural; Theism; Theology; Time; Transcendentalism; Trinity; Truth; Universe; Utilitarianism; Will. metaphysics

Refer from Ethics; Knowledge; Life; Mental philosophy; Metaphysics; Ontology; Psychology; Reason; Religion; Peripatetics Science; Theology; Thinking; Thought.

Philosophy, moral. *See* Ethics.

Philosophy, natural. *See* Physics.

Philosophy of history. *See* History, philosophy of.

Phonetics. *See* ~~also Alphabet~~; Pronunciation; Spelling. Phonology

Refer from Language; Orthoepy; Phonology; Pronunciation; Sound.

Phonograph.

Refer from Electricity; Sound.

Phonography. *See* Shorthand.

Phonology. ~~*See* Phonetics.~~

Phosphates.

Refer from Chemistry; Fertilizers; Manures.

Phosphorescence.

Refer from Botany; Light; Ocean; Zoology.

Photo-engraving, *etc.* *See also* Heliotypes.

Refer from Book illustration; Engraving; Heliotypes; Photography; Process work.

Photography. *See also* Astronomical photography; Camera; Composite photography; Daguerreotype; Heliotypes; Photo-engraving, *etc.*; Photomicrography; X rays.

Refer from Arts, fine; Arts, useful; Camera; Chemistry; Daguerreotype; Light; Printing.

Photomicrography.

Refer from Microphotography; Microscope; Photography.

Phrase-books. *See* names of languages.

Phrenology. *See also* Physiognomy.

Refer from Brain; Character; Head; Man; Physiognomy; Physiology; Psychology.

Physical culture. *See* Physical education.

Physical education. *See also* Exercise; Gymnastics; Running; Sports; Training; Walking.

Refer from Athletics; Education; Exercise; Gymnastics; Hygiene; Manly ex-

Philosophy - Per.
Philosophy, Ancient
" , Modern

Phosphate industry

Photographic chemistry

Phototherapy

Physical chemistry, see Chem., Pl theoretic

ercise; Physical culture; Physical training; Recreation; Sports; Training.

Physical geography. *See also* Beaches; Caves; Climate; Deserts; Earth; Earthquakes; Erosion; Geography; Geology; Geysers; Glaciers; Ice; Islands; Lakes; Meteorology; Moraines; Mountains; Nature; Ocean; Peat; Ponds; Rivers; Seashore; Springs; Tides; Tropics; Valleys; Volcanoes; Water; Waterfalls; Waterspouts; Waves.

Refer from Earth; Geography; Geology; Meteorology; Mountains; Natural history; Ocean; Physics; Physiography; Science; Water.

Physical geology. *See* Geology.

Physical training. *See* Physical education.

Physicians. *See also* Surgeons.

Refer from Biography; Doctors; Medicine.

Physics. *See also* Air; Astronomy; Atoms; Barometer; Chemistry; Electricity; Fluids; Force; Friction; Gases; Gravitation; Heat; Hydraulic engineering; Light; Liquids; Magnetism; Matter; Mechanics; Meteorology; Molecules; Motion; Motors; Pendulum; Physical geography; Radiation; Solids; Sound; Statics; Steam; Thermometer; Units; Water. Thermodynamics

Refer from Atoms; Chemistry; Experiments; Gravitation; Mathematics; Matter; Mechanics; Molecules; Natural history; Natural philosophy; Natural science; Philosophy; Philosophy, natural; Science.

Physiognomy. *See also* Phrenology.

Refer from Character; Expression; Face; Head; Man; Phrenology; Physiology; Psychology.

Physiography. *See* Geology; Physical geography.

Physiology. *See also* Anatomy; Animal magnetism; Biology; Blood; Brain; Breathing; Color of man; Deformities; Degeneration; Digestion; Embryology; Heredity; Hygiene; Longevity; Man; Medicine; Mind and body; Monsters; Morphology; Nervous system; Pathology; Phrenology; Physiognomy; Protoplasm; Senses; Sex; Sleep; Voice; Woman, *Diseases*. Psychol., Physiological

Refer from Anatomy; Biology; Body, human; Human body; Hygiene; Man; Medicine; Zoology.

Physical geog. - S. africa, see also Deserts - S. af.

Physical instruments

Physics - Per. - Indexes.
Physics - Tables
" , Mathematical

Physics - Instruments

Physiological apparatus
Physiological chemistry
" psychology
, see Psych., Physiol.

Pianists.
Refer from Musicians; Pianoforte.
Pianoforte. *See also* Pianists.
Refer from Musical instruments.
Pictures. *See* Art galleries; Drawings; Engravings; Etchings; Heliotypes; Paintings; Portraits.
Picturesque. *See also* Esthetics; Landscape.
Refer from Esthetics.
Pig. *See* Hog.
Pigeons.
Refer from Birds; Domestic animals.
Pigments. *See* Color; Dyeing; Paint.
Pigmies. *See* Dwarfs.
Pilgrim fathers. *See also* Massachusetts; Plymouth. See also Puritans
Refer from Biography; Christian biography.
Pilgrimage.
Refer from Catholic church; Penance; Travel.
Pillory.
Refer from Punishment.
Piracy. *See* Pirates.
Pirates. *See also* Buccaneers.
Refer from Buccaneers; Corsairs; Criminal law; Naval history; Navigation; Piracy.
Pisciculture. *See* Fish-culture.
Pistol.
Refer from Arms and armor; Firearms.
Plague. *See also* Epidemics.
Refer from Contagion; Epidemics; Medicine, practice of.
Planets. *See also* Asteroids; Astrology; Astronomy; Earth; Moon; Plurality of worlds; Solar system; Transits.
Refer from Astronomy; Solar system; Stars.
Planting. *See* Agriculture; Forestry; Gardening; Landscape gardening.
Plants. *See* Agriculture; Botany; Floriculture; Flowers; Gardening.
Plastering.
Refer from Architecture; Masonry; Wall decoration.
Plate. *See also* Goldsmithing; Silversmithing.
Refer from Goldsmithing; Jewelry; Metal-work; Silver; Silversmithing.
Plating. *See also* Electroplating; Gilding.
Refer from Metal-work; Silverplating.

Piperonze

Pityriasis

Planetary orbits

Plants, Irritability + movement:

Plants, Sex in

Platonists.
Refer from Philosophy.
Players. *See* Actors; Actresses.
Playing-cards. *See* Cards.
Playright. *See* Copyright.
Plays. *See* Drama; Games; Sports.
Pleading. *See also* Actions at law; Forms; Law; Trials.
Refer from Actions at law; Forms (in law); Law; Trials.
Pleasure. *See also* Contentment; Happiness; Pain.
Refer from Emotions; Ethics; Happiness; Pain; Psychology.
Plumbing. *See also* Sanitary engineering; Soldering.
Refer from Architecture; Arts, useful; House drainage; Lead; Sanitary engineering; Water-supply.
Plurality of worlds.
Refer from Astronomy; Planets; Theology; Universe; Worlds, plurality of.
Pneumatic transmission. *See* Compressed air.
Pneumatics. *See* Gases.
Pneumonia. *See also* Lungs.
Refer from Chest; Lungs; Medicine, practice of.
Poaching. *See also* Game laws.
Refer from Game laws; Sports.
Poetry. *See also* Ballads; Bards; Children's poetry; Drama; Elegiac poetry; Epic poetry; Epigrams; Hymns; Literature; Lyric poetry; Metre; Minnesingers; Odes; Parody; Pastoral poetry; Poets; Prosody; Quotations; Readers and speakers; Religious poetry; Rhyme; Satire; Songs; Sonnets; Troubadours; Trouvères; Versification; War poetry; Wit and humor.
Refer from Ballads; Literature; Metre; Prosody; Readers and speakers; Rhetoric; Romances; Versification.
Poets. *See also* Dramatists; Minnesingers; Minstrels; Troubadours; Trouvères.
Refer from Authors; Biography; Poetry.
Poisons. *See also* Medical jurisprudence.
Refer from Accidents; Chemistry; Medical jurisprudence; Medicine; Murder; Therapeutics; Toxicology.
Polar regions. *See* Antarctic; Arctic; North pole.
Polariscope.
Refer from Light; Optical instruments.

Police. *See also* Constables; Crime; Detectives; Prisons.
Refer from Crime; Detectives; Law; Political science; Prisons; Town officers.

Police power

Politeness. *See* Etiquette.

Political economy. *See* Economics.

Political ethics.

Political parties. ~~*See* Parties~~. Refer from Parties, pol. Subd. by countr
See also names of parties

Political science. *See also* Anarchy; Ballot; Caucus; Church and state; Citizenship; Civil rights; Civil service; Civilization; Colonies; Communism; Crime; Democracy; Despotism; Diplomacy; Economics; Elections; Executive power; Federal government; Feudalism; Finance; Free institutions; ~~Immigration~~; Imperial federation; Individualism; Law; Legislation; Liberty; Local government; Magistrates; Minorities; Monarchy; Municipal government; Nihilism; Nullification; Oaths; Parties; Patriotism; Police; Prisons; Property; Punishment; Rebellion; Reciprocity; Referendum; Religious liberty; Representation; Republics; Revolutions; Riots; Secession; Serfdom; Slavery; Socialism; Sociology; State rights; Statesmen; Statistics; Suffrage; Taxation; Town-meeting; Town officers; Towns; Treaties; Tyranny; Utopia; Veto; Village communities; Villages;
Refer from Adminstration; Civil government; Democracy; Ethics; Government; History; Legislation; Republics; Science; Social science; Sociology; State, the; Statesmanship.

Constitutional law

Emigration & imm.

Politics

Reconstruction

Politics

Names of countries or states, subhead Constitution, Rel., Pol. & govt.

Civics; Politics

Polygamy. *See also* Marriage; Mohammedanism; Mormonism.
Refer from Marriage.

Polytechnic schools. *See* Technical education.

Polytheism. *See also* Religions.
Refer from God; Religions.

Pomology. *See* Fruit.

Ponds. *See also* Lakes.
Refer from Lakes; Physical geography; Water.

Poor. *See also* Almshouses; Begging; Charities; Friendly societies; Labor; Pensions; Poor laws; Social settlements; Tenement-houses; Tramps.
Refer from Almsgiving; Almshouses; Begging; Benevolence; Charities; Dangerous classes; Economics; Ethics; Labor; Pauperism; People; Poverty;

Social settlements; Sociology; Tenement-houses; Vagrancy.

Poor laws.
Refer from Law; Poor; Vagrancy.

Poorhouses. *See* Almshouses.

Popes. *See also* Apostolic succession; Catholic church; Infallibility; Vatican council.
Refer from Apostolic succession; Catholic church; Christian biography; Church history; Church polity; Infallibility; Papacy; Rulers; Temporal power; Ultramontanism; Vatican; Vatican council.

Population. *See also* Census; Statistics.
Refer from Economics; Sociology; Statistics; Vital statistics.

Porcelain. *See* Pottery.

Portrait painting. *See also* Miniature painting.
Refer from Painting.

Portraits.
Refer from Arts, fine; Biography; Paintings; Pictures.

Ports. *See* Harbors.

Positivism.
Refer from Agnosticism; Philosophy; Religion; Religion of humanity.

Posology. *See* Prescriptions.

Possession (in law).
Refer from Law.

Post-mortem examinations. *See* Autopsy.

Post-office. *See also* Postage-stamps.
Refer from Mail.

Postage-stamps.
Refer from Post-office; Stamps.

Potential. *See* Electric potential.

Pottery. *See also* Bric-a-brac; China painting; Majolica; Terra-cotta; Tiles; Urns; Vases.
Refer from Archaeology; Arts, fine; Arts, useful; Bric-a-brac; Ceramics; China; China painting; Decoration and ornament; Faience; Fayence; Keramics; Majolica; Manufactures; Porcelain; Terra-cotta; Tiles; Vases.

Poultry. *See also* Eggs.
Refer from Agriculture; Birds; Chickens; Domestic animals; Eggs; Fowl; Hens; Incubation; Live stock.

Poverty. *See* Poor.

Powder. *See* Gunpowder.

Power. *See also* Force; Machinery; Mechanics; Motors.
Refer from Mechanics.

Papacy
Popes- History.

Postal guides
Postal service, Subdiv. by country
Potassium per-Manganate
Potato bugs.

Powers (law).
Refer from Law.
Prayer. *See also* Lord's prayer; Prayer-meetings; Prayers; Responsive worship; Ritualism; Worship.
Refer from Christian life; Devotion; Family prayer; Religion; Theology; Worship.
Prayer-meetings.
Refer from Prayer; Revivals.
Prayers. *See also* Devotional exercises; Litanies; Liturgies; Lord's prayer; Rosary.
Refer from Devotional exercises; Family prayer; Liturgies; Prayer; Rites and ceremonies; Worship.
Preachers. *See also* Clergy; Ministers (of the gospel).
Refer from Christian biography; Clergy; Ministers (of the gospel); Preaching.
Preaching. *See also* Preachers; Sermons.
Refer from Church polity; Clergy; Elocution; Homiletics; Ministers (of the gospel); Oratory; Pastors; Rhetoric; Sermons; Speaking.
Precious metals. *See also* Gold; Money; Silver.
Refer from Economics; Gold; Metals; Silver.
Precious stones. *See also* Diamonds; Gems; Jewelry; Pearls.
Refer from Diamonds; Gems; Jewelry; Mineralogy; Stone.
Predestination. *See also* Arminianism; Calvinism; Liberty of the will; Salvation.
Refer from Calvinism; Election (in theology); Liberty of the will; Necessity; Salvation; Sin; Theology.
Predictions. *See* Prophecies.
Preëxistence. *See also* Soul; Transmigration.
Refer from Reincarnation; Soul; Transmigration.
Prehistoric archaeology. *See* Archaeology.
Presages. *See* Omens.
Presbyterianism. *See also* Calvinism; Church of Scotland; Covenanters.
Refer from Calvinism; Church of Scotland; Church polity; Congregationalism; Dissenters; Puritans; Sects.
Prescriptions. *See also* Pharmacy.
Refer from Pharmacy; Posology.
Preserving. *See also* Cookery.
Refer from Cookery; Fruit.

Preraphaelitism.

Medicine - Formulae, receipts, prescriptions

Presidential government. *See* Democracy; Republics.

Presidents. *See also* Executive power; ~~U. S., President;~~ Veto.

Refer from Biography; Executive power; Rulers.

Press. *See* Journalism; Liberty of the press; Newspapers; Periodicals.

Prestidigitation. *See* Conjuring.

Prices. *See also* Economics; Value; Wages.

Refer from Commerce; Cost; Economics; Finance; Manufactures; Money; Value.

Priesthood. *See* Priests.

Priests. *See also* Catholic church; Celibacy; Clergy; Curates; Ministers; Ordination.

Refer from Catholic church; Church of England; Church polity; Clergy; Ministers (of the gospel); Priesthood; Protestant episcopal church in the U. S.

Primary batteries. *See* Electric batteries.

Prime ministers.

Refer from Biography; Ministers (of state).

Primers. *See also* Readers and speakers.

Refer from Readers and speakers; Spellers; Text-books.

Primogeniture.

Refer from Descent; Inheritance; Law.

Princes. *See* Monarchy.

Principal and agent. *See also* Contracts.

Refer from Commercial law; Contracts; Law.

Printing. *See also* Block-books; Calico-printing; Electrotyping; Ink; Paper; Photography; Proof-reading; Stereotyping.

Refer from Alphabet; Arts, useful; Block-books; Books and reading; Bookselling; Composition; Incunabula; Literature; Publishing; Stereotyping; Type; Typography.

Prints. *See* Engravings.

Prisons. *See also* Crime; Police; Punishment; Reformatories.

Refer from Crime; Criminal law; Dungeons; Imprisonment; Jails; Penal institutions; Penitentiaries; Police; Political science; Public institutions; Punishment; Reform; Reformatories; Sociology.

Private judgment. *See also* Liberty of conscience; Religious liberty.

Refer from Liberty of conscience; Theology.

subd. by country etc.

Primaries

Fijis

Private schools.
Refer from Schools.
Private theatricals. *See* Amateur theatricals.
Privateering. *See also* Prizes.
Refer from International law; Letters of marque; Naval art and science; Naval history; Prizes.
Prizes. *See also* Privateering.
Refer from International law; Maritime law; Privateering.
Probabilities. *See also* Annuities; Insurance; Logic.
Refer from Betting; Chance; Errors; Gambling; Logic; Lotteries; Mathematics.
Probate. *See* Wills.
Probation. *See* Future life; Purgatory.
Procedure. *See* Actions at law.
Process work. *See* Photo-engraving, *etc.*
Processions. *See also* Pageants.
Refer from Festivals; Pageants.
Profanity. *See* Swearing.
Profit-sharing. *See also* Communism; Cooperation; Labor.
Refer from Commerce; Cooperation; Economics; Labor; Wages.
Progress. *See also* Civilization; Reform.
Refer from Ethics; Sociology.
Prohibited books. *See also* Liberty of the press.
Refer from Books and reading; Censorship of the press; Condemned books; Liberty of the press.
Prohibition. *See also* Temperance.
Projectiles. *See also* Firearms; Gunnery; Ordnance.
Refer from Ammunition; Artillery; Ballistics; Firearms; Gunnery; Military art and science; Ordnance; Shells.
Projecting. *See* Magic lantern.
Projection. *See also* Geometrical drawing; Perspective.
Refer from Drawing; Geometrical drawing; Mechanical drawing; Orthographic projection; Perspective.
Pronunciation. *See also* Phonetics.
Refer from Elocution; Language; Orthoepy; Phonetics; Words.
Proof. *See* Evidence; Logic.
Proof-reading.
Refer from Printing.
Proper names. *See* Names.
Property. *See also* Administrators and

Prohibition, Writ of

Promoters

Propellers

executors; Church property; Communism; Confiscation; Conveyancing; Copyright; Damages; Inheritance; Insurance; Land; Liens; Mortgages; Personal property; Real property; Rent; Sale; Socialism; Taxation; Titles; Trespass; Wealth; Wills.

Refer from Chattels; Economics; Law; Personal property; Political science; Real property; Sociology.

Prophecies. *See also* Bible; Divination; Fortune-telling; Jesus; Oracles; Second advent.

Refer from Bible; Divination; Predictions; Prophets; Second advent; Theology.

Prophets. *See also* Bible; Prophecies.

Refer from Bible; Biography; Jews.

Prose. *See also* Literature; Rhetoric; and the references under these heads.

Refer from Literature.

Prosody. *See also* Accent; Metre; Poetry; Rhyme; Versification.

Refer from Accent; Grammar; Language; Metre; Poetry; Rhyme; Versification.

Prostitution.

Refer from Criminal law; Law; Woman; Woman, *Law*.

Protection. *See* ~~Tariff~~.

Protestant churches. *See* Protestantism.

Protestant episcopal church in the U. S. *See also* Apostles' creed; Apostolic succession; Bishops; Church of England; Church polity; Confirmation; Episcopacy; Fasts and feasts; Lord's supper; Priests; Ritualism; Sacraments; Sisterhoods.

Refer from Church of England; Episcopacy; Episcopal church; Sects.

Protestantism. *See also* Catholic church; Reformation; Sects.

Refer from Catholic church; Christianity; Church history; Protestant churches; Reformation; Theology.

Protoplasm. *See also* Biology; Cells; Embryology.

Refer from Biology; Bioplasm; Cells; Physiology.

Proverbs. *See also* Epigrams; Maxims; Quotations.

Refer from Adages; Aphorisms; Apothegms; Epigrams; Literature; Maxims; Quotations; Sayings.

Pruning.
Refer from Forestry; Fruit; Trees.
Psalmody. *See* Bible; Church music; Hymns.
Pseudonyms. *See also* Nicknames.
Refer from Authors; Bibliography; Fictitious names; Names (personal); Nicknames; Noms de plume; Sobriquets; Soubriquets.
Psychology. *See also* Animal magnetism; Animal psychology; Apparitions; Belief; Biology; Brain; Character; Child study; Color-sense; Consciousness; Dreams; Education; Emotions; Esthetics; Ethics; Future life; Genius; Heredity; Hypnotism; Illusions; Imagination; Insanity; Instinct; Intellect; Knowledge; Liberty of the will; Logic; Memory; Mind and body; Mind-reading; Pain; Passions; Philosophy; Phrenology; Physiognomy; Pleasure; Reason; Senses; Sleep; Somnambulism; Soul; Subconsciousness; Will.
Refer from Brain; Child study; Education; Emotions; Human faculties; Intellect; Man; Mental philosophy; Metaphysics; Mind; Mind and body; Philosophy; Science; Soul; Thinking; Thought; Understanding; Will.
Psychology, Physiological
" , Comparative
Public health. *See* Hygiene, public.
Public institutions. *See* Charities; Prisons; Public schools.
Public libraries. *See* Libraries.
Public lands-U.S., see U.S.-Public lands
Public policy
Public works
Public schools. *See also* Bible in the schools; Education.
Refer from Common schools; Education; Free schools; Public institutions; Schools.
Publishers. *See* Booksellers.
Publishing. *See* Bookselling; Copyright; Printing.
Pueblos. *See also* Cliff-dwellings.
Refer from Indians of North America.
Puerperal convulsions
Pugilism. *See* Boxing.
Pulpits.
Refer from Church furniture.
Pumps. *See also* Air-pump.
Refer from Engines; Hydraulic engineering; Machinery; Water-supply.
Punctuation.
Refer from Language; Rhetoric.
Punishment. *See also* Capital punishment; Corporal punishment; Crime; Criminal law; Crucifixion; Flogging; Future

punishment; Galleys; Guillotine; Hanging; Pillory; Prisons; Torture; Transportation (of criminals).

Refer from Crime; Criminal law; Law; Manners and customs; Penology; Political science; Prisons; Sociology; Torture.

Purgatives.

Refer from Therapeutics.

Purgatory. *See also* Indulgences; Future life; Future punishment.

Refer from Catholic church; Death; Future life; Future punishment; Intermediate state; Probatiôn; Retribution; Theology.

Puritans. *See also* Church of England; Congregationalism; Dissenters; Friends; Nonconformists; Nonjurors; Presbyterianism. Pilgrim fathers

Refer from Christian biography; Church of England; Congregationalism; Dissenters; Nonconformists.

Pus. *See* Suppuration.

Puseyism. *See* Oxford movement; Pusey, E. B.

Putrefaction. *See also* Contagion; Disinfection.

Refer from Contagion.

Puzzles. *See also* Acrostics; Charades; Enigmas; Riddles.

Refer from Amusements; Riddles.

Pygmies. *See* Dwarfs.

Pyramids.

Refer from Archaeology; Architecture; Monuments. Pyrites.

Pyrotechnics. *See* Fireworks.

Quacks and quackery. *See also* Imposture.

Refer from Imposture; Medicine.

Quadrupeds. *See also* Domestic animals; Mammals; Zoology.

Refer from Mammals; Zoology.

Quakers. *See* Friends, society of.

Qualitative analysis. *See* Chemistry.

Quantitative analysis. *See* Chemistry.

Quarantine.

Refer from Contagion; Hygiene, public; Naval hygiene.

Quarries. Quarrying. *See also* Blasting; Mines and mining.

Refer from Blasting; Stone.

Quarternions.

Refer from Geometry; Mathematics.

Queens. *See also* Monarchy.

Refer from Biography; Monarchy; Rulers; Sovereigns; Woman.

Quicksilver. *See* Mercury.
Quotations. *See also* Epigrams; Maxims; Proverbs.
Refer from Aphorisms; Apothegms; Epigrams; Literature; Maxims; Poetry; Proverbs; Sayings.
Races of man. *See* Ethnology.
Racing. *See* Horse-racing; Rowing, *etc.*
Radiation. *See also* Heat; Light; Sound.
Refer from Heat; Light; Physics; Sound.
Ragged schools.
Refer from Charity schools; Education; Schools.
Railroads. *See also* Bridges; Cars; Earthwork; Electric railroads; Engineering; Horse-railroads; Locomotives; Steam-engine; Street-railroads; Subways; Surveying; Tunnels. Pacific railroads
Refer from Carriers; Commerce; Engineering; Locomotion; Locomotives; Machinery; Roads; Steam-engine; Surveying; Transportation.
Rain. *See also* Meteorology.
Refer from Meteorology; Water.
Rainbow.
Refer from Light; Meteorology.
Rationalism. *See also* Free religion; Free thought; Reason; Transcendentalism.
Refer from Free religion; Free thought; Materialism; Philosophy; Reason (in religion); Religion; Skepticism; Theology.
Readers and speakers. *See also* Dialogues; Orations; Poetry; Primers.
Refer from Declamation; Dialogues; Elocution; Literature; Poetry; Primers; Reading; Recitations; Speakers; Textbooks.
Reading. *See* Books and reading; Elocution.
Real presence. *See* Lord's supper; Transubstantiation.
Real property. *See also* Conveyancing; Deeds; Easements; Land; Landlord and tenant; Mortgages; Property; Sale; Taxation; Titles.
Refer from Conveyancing; Land; Law; Property; Titles.
Realism. *See also* Idealism.
Refer from Idealism; Philosophy; Scholastic philosophy.
Reason. *See also* Animal psychology; Instinct; Logic; Philosophy.
Refer from Intellect; Philosophy; Psychology; Rationalism.

Quo warranto

Radioactivity
Radiotherapeutics, see Phototherapy

Railroads-Pensions
Railroads-Employees
Railroads-state.

Rain & rainfall

Rat
Rapid transit, see also Phil.-Rapid t

Real property-Case
Land tenure

Reality, see also Metaphysi

Reason (in religion). *See* Rationalism.
Rebellion. *See also* Revolutions; *also* names of countries in which rebellions have taken place, as U. S., *History*, *Civil War*, England, Scotland, *etc.*
Refer from Political science; Revolutions.
Receipts. *See also* Cookery.
Refer from Arts, useful; Chemistry; Domestic economy; Manufactures.
Receivers.
Refer from Bankruptcy; Corporations; Law.
Reciprocity.
Refer from Political science; Tariff.
Recitations. *See* Readers and speakers.
Recreation. *See* Amusements; Games; Gymnastics; Physical education; Sports, *etc.*
Rectors. *See* Clergy; Ministers.
Redemption. *See* Salvation.
Referendum.
Refer from Democracy; Political science.
Reform. *See also* Charities; Civil service; England, *House of Commons*; Prisons; and other subjects of reform.
Refer from Progress.
Reform schools. *See* Reformatories.
Reformation. *See also* Catholic church; Church history; Huguenots; Hussites; Protestantism; Thirty years' war; Waldenses; *also* names of countries and churches. Subdiv. by country
Refer from Catholic church; Church history; Church of Scotland; History, modern; Protestantism; Reformers. Lutherans
Reformatories. *See also* Prisons.
Refer from Children; Crime; Education; Penal institutions; Prisons; Reform schools.
Reformers. *See also* Reformation.
Refer from Biography; Christian biography.
Regalia. *See also* Church vestments; Costume; Crowns.
Refer from Costume.
Regattas. *See* Rowing; Sailing.
Regeneration. *See also* Baptism; Conversion; Salvation.
Refer from Baptism; Conversion; Salvation; Theology.
Registers [not annual]. *See also* Almanacs; Year-books [for annual registers]; *also* names of places, religious denominations, *etc.*

Recognition (International law)
Reconstruction
Rectum, Surgery of (Homeopath
Red Jacket

Erasmus, Luther,

Reincarnation. *See* Preëxistence; Transmigration.

Relics. *See also* Miracles; Shrines.
Refer from Church antiquities; Miracles; Shrines; Superstition.

Religion. [Including comparative theology and history of religion. For the Christian doctrines *see* Theology. For evidences *see* Christianity.] *See also* Allegories; Atheism; Belief; Bible; Christian biography; Christian life; Christianity; Church history; Church polity; Conscience; Consolation; Deism; Devotional exercises; Ethics; Evil; Faith; Fanaticism; Fasts and feasts; Free religion; Future life; God; Hymns; Idolatry; Jesus Christ; Miracles; Missions; Monasticism; Mysteries; Mysticism; Mythology; Natural religion; Oracles; Pantheism; Philosophy; Positivism; Prayer; Rationalism; Religion and science; Religions; Religious education; Religious liberty; Religious poetry; Revelation; Revivals; Ritualism; Sacraments; Sacrifice; Saints; Sects; Sermons; Serpent-worship; Sin; Skepticism; Sunday; Supernatural; Superstition; Symbolism; Theism; Theosophy; Totems; Worship.
Refer from Christianity; Ethics; Faith; God; Man; Natural religion; Philosophy; Revelation; Sociology; Supernatural; Theology.

Religion and science. *See also* Creation; Evolution; Natural religion.
Refer from Bible; Creation; Evolution; Natural religion; Philosophy; Religion; Science; Science and religion; Theology.

Religion of humanity. *See* Positivism.

Religions. *See also* Aryans; Brahmanism; Buddhism; Christianity; Confucianism; Dervishes; Essenes; Hinduism; Idolatry; Indians; Jews; Mohammedanism; Mormonism; Mythology; Parsees; Polytheism; Rosicrucians; Sects; Serpent-worship; Spiritualism; Taouism; Theosophy.
Refer from Belief; Mythology; Polytheism; Religion; Superstition.

Religions, Comparative.

Religious art. *See* Christian art; Church architecture; Temples.

Religious biography. *See* Christian biography.

Religious ceremonies. *See* Rites and ceremonies.

Religious education. *See also* Bible classes; Bible in the schools; Moral education; Sunday schools; Theological education.
Refer from Christian education; Christian life; Education; Moral education; Religion; Sunday schools; Theological education.

Religious festivals. *See* Fasts and feasts; Festivals.

Religious history. *See* Church history.

Religious liberty. *See also* Church and state; Free religion; Free thought; Liberty; Liberty of conscience; Persecution.
Refer from Catholic church; Church history; Church polity; Free thought; Intolerance; Liberty; Liberty of conscience; Persecution; Political science; Private judgment; Religion; Toleration.

Religious orders. *See* Brotherhoods; Chivalry; Jesuits; Monasticism; Sisterhoods.

Religious poetry. *See also* Hymns.
Refer from Hymns; Poetry; Religion; Sacred poetry.

Religious services. *See* Liturgies; Worship.

Remedies (in medicine). *See* Therapeutics.

Renaissance. *See also* France; Italy; Middle ages. Subdiv. by country
Refer from Arts, fine; History, modern; Literature; Middle ages; Revival of letters.

Rent. *See also* Land; Landlord and tenant.
Refer from Economics; Land; Landlord and tenant; Law; Property.

Repentance. *See also* Confession; Conversion; Penance.
Refer from Conversion; Ethics; Penance; Penitence; Sin; Theology.

Reporting. *See also* Journalism; Shorthand.
Refer from Journalism.

Representation. *See also* Boroughs; Minorities; Suffrage.
Refer from Boroughs; Democracy; Election (in politics); Free institutions; Political science; Republics; Suffrage; Voting.

Reptiles. *See also* Batrachia; Serpents.
Refer from Herpetology; Serpents; Snakes; Vertebrates; Zoology.

Republics. *See also* Democracy; Federal

Erasmus

Land tenure

Replevin

Reports-Digests, see name of country or sta

Reproduction
" , Asexual

government; Political science; Representation; *also* names of republics.
Refer from Democracy; Federal government; Free institutions; Political science; Presidential government.
Repudiation. *See also* Debts, public.
Refer from Debts, public; Finance; Loans.
Reservoirs. *See also* Water-supply.
Refer from Water-supply.
Residences. *See* Architecture, domestic.
Respiration. *See* Breathing.
Responsive worship. *See also* Liturgies; Ritualism.
Refer from Devotional exercises; Liturgies; Prayer; Worship.
Rest.
Refer from Hygiene; Therapeutics.
Resurrection. *See also* Future life; Jesus Christ.
Refer from Death; Future life; Theology.
Retribution. *See* Future life; Future punishment; Heaven; Hell; Purgatory.
Revelation. *See also* Bible; Christianity; Religion; Theology.
Refer from Bible; Religion; Theology.
Revenue. *See* Finance; Tariff; Taxation.
Revival of letters. *See* Renaissance.
Revivals. *See also* Camp-meetings; Conversion; Prayer-meetings.
Refer from Christian life; Church history; Conversion; Missions; Religion; Theology.
Revolutions. *See also* Rebellion; *also* names of countries.
Refer from History; Political science; Rebellion.
Rhetoric. *See also* Allegory; Conversation; Criticism; Drama; Elocution; Eloquence; Esthetics; Letter-writing; Metaphor; Oratory; Poetry; Preaching; Punctuation; Satire; Translation. Lit. crit.
Refer from Composition; Criticism; Elocution; Expression; Language; Letter-writing; Literature; Metaphor; Oratory; Prose; Speaking; Style; Words; Writing.
Rheumatism.
Refer from Medicine, practice of.
Rhyme. *See also* Prosody.
Refer from Poetry; Prosody; Versification.
Riches. *See* Wealth.
Riddles. *See also* Charades; Enigmas; Puzzles.
Refer from Amusements; Charades;

Res judicata

Restraint of trade, see Public policy

Reviews

Rheto-Romanic language, see Romansh language

Rhythm, see Prosody

Conundrums; Enigmas; Literature; Puzzles.

Riding. *See* Coaching; Driving; Horsemanship.

Rifle. *See also* Firearms; Gun; Shooting.
Refer from Arms and armor; Firearms; Gun; Shooting.

Right and wrong. *See* Ethics.

Rights of woman. *See* Woman.

Rings. *See also* Jewelry.
Refer from Finger rings; Jewelry.

Riots.
Refer from History; Mobs; Political science.

Rites and ceremonies. *See also* Baptism; Burial service; Canonization; Church antiquities; Church dedication; Confirmation; Coronations; Fasts and feasts; Funerals; Hymns; Liturgies; Marriage; Mass; Ordination; Prayers; Ritualism; Sacraments; Worship.
Refer from Ceremonies; Christian art and symbolism; Church antiquities; Church ceremonies; Church polity; Ecclesiastical ceremonies; Liturgies; Manners and customs; Religious ceremonies; Ritualism; Worship.

Ritualism. *See also* Catholic church; Church of England; Rites and ceremonies; Worship.
Refer from Church of England; Church polity; Liturgies; Prayer; Protestant episcopal church in the U. S.; Religion; Responsive worship; Rites and ceremonies; Worship.

Rivers. *See also* Embankments; Erosion; Floods; Hydraulic engineering; Valleys.
Refer from Hydraulic engineering; Inland navigation; Physical geography; Valleys; Water.

Roads. *See also* Pavements; Railroads; Street cleaning; Street-railroads.
Refer from Engineering; Highways; Locomotion; Pavements; Streets; Transportation.

Robbers. *See also* Brigands.
Refer from Brigands; Crime; Thieves; Vagabonds.

Rocks. *See also* Geology; Mineralogy; Stone.
Refer from Geology; Lithology; Mineralogy; Petrography; Petrology; Stone.

Rod, the. *See* Corporal punishment; Flogging.

Right of search (Maritime law)

Rigid dynamics see Dynam., Rig

Roentgen rays. *See* X rays.
Roman Catholic church. *See* Catholic church.
Roman law. *See* Civil law.
Romance. *See* Fiction; Romances.
Romances. *See also* Fiction; Legends; Poetry.
Refer from Fiction; Legends; Literature; Romance; Stories.
Romanism. *See* Catholic church.
Romanticism.
Refer from Literature.
Roofs. *See also* Arches; Domes; Girders; Trusses; Vaulting.
Refer from Architecture; Girders; Strength of materials; Trusses.
Rope. *See also* Cables; Hemp; Knots; Wire.
Refer from Cables; Hemp; Manufactures.
Rosary.
Refer from Beads; Catholic church; Prayers.
Rosicrucians.
Refer from Mysticism; Religions; Secret societies.
Rowing. *See also* Boating.
Refer from Boating; Locomotion; Navigation; Racing; Regattas; Sports.
Royalty. *See* Monarchy.
Rubber. *See* India-rubber.
Ruins. *See* Archaeology.
Rulers. *See* Emperors; Kings; Monarchy; Popes; Presidents; Queens.
Rules of order. *See* Parliamentary practice.
Running. *See also* Walking.
Refer from Animal locomotion; Locomotion; Physical education; Sports; Walking.
Rural architecture. *See* Architecture; Cottages; Landscape gardening.
Rural economy. *See* Agriculture.
Rural life. *See* Country life; Outdoor life.
Rural poetry. *See* Pastoral poetry.
Russian church. *See* Greek church.
Russo-Turkish war. *See also* Russia; Turkey.
Sabbath. *See* Sunday.
Sacraments. *See also* Baptism; Confirmation; Lord's supper; Marriage; Ordination; Penance.
Refer from Baptism; Church of England; Church polity; Lord's supper; Protestant episcopal church in the U. S.; Religion; Rites and ceremonies; Theology; Worship.

Romance languages

Romansh language, ~~see~~
~~Rheto-Romanic lang.~~

Roots (Botany)

Rugs.

Rules & orders (in law)

Rumansh language, see
Rheto-Romanic lang.

Sacred art. *See* Christian art.
Sacred history. *See* Bible; Church history.
Sacred music. *See* Church music.
Sacred poetry. *See* Hymns; Religious poetry.
Sacrifice. *See also* Atonement.
Refer from Religion; Theology; Worship.
Saddlery. *See* Harness.
Sagas. *See also* Folk-lore; Scandinavian literature [and its subdivisions].
Refer from Folk-lore; Literature; Mythology.
Sailing. *See also* Boating; Canoeing; Navigation; Yachting.
Refer from Boating; Navigation; Regattas; Ships; Sports; Yachting.
Sailors. *See also* Naval biography.
Refer from Naval biography; Navigation; Seamen; Ships.
Sails.
Refer from Ships.
Saints. *See also* Canonization; Christian art and symbolism; Fathers of the church.
Refer from Bible; Biography; Canonization; Catholic church; Christian art and symbolism; Christian biography; Fathers of the church; Heroes; Iconography; Legends; Martyrs; Miracles; Religion.
Salads. *See also* Cookery.
Refer from Cookery.
Sale. *See also* Auctions; Commercial law; Conveyancing; Titles.
Refer from Commercial law; Contracts; Law; Personal property; Property; Real property; Titles; Vendors.
Salesmen, traveling. *See* Commercial travelers.
Salvation. *See also* Conversion; Future life; Predestination; Regeneration; Soul; Universalism.
Refer from Future life; Jesus Christ; Man; Predestination; Redemption; Regeneration; Sin; Theology.
Sanctuary. *See* Asylum, right of.
Sanitary engineering. *See also* Heating; Plumbing; Sewerage; Street cleaning; Ventilation; Water-supply.
Refer from Architecture; Engineering; Hygiene, public; Plumbing; Sanitary science; Sewerage.
Sanitary science. *See* Hygiene; Sanitary engineering.
Satan. *See* Devil.

Sale - Cases

Salts.
" in solution

Sanskrit lit., see als
Vedas; Vishnu;
Sanskrit poet

Saprolegina

Satire. *See also* Caricature; Parody; Wit and humor.
Refer from Caricature; Comic literature; Lampoons; Literature; Poetry; Rhetoric; Wit and humor.

Savings-banks. *See also* Building associations.
Refer from Banks and banking.

Sayings. *See* Epigrams; Maxims; Proverbs; Quotations; Table-talk.

Scalds. *See* Burns and scalds.

Scarlatina. ~~*See also* Scarlet fever~~.
Refer from Children, *Diseases;* Medicine, practice of; Scarlet fever.

Scarlet fever. ~~*See also* Scarlatina~~, See Scarlatina
Refer from Children, *Diseases;* Contagion; Fever; Medicine, practice of; Scarlatina.

Scepticism. *See* Skepticism.

Scholastic philosophy. *See also* Realism.
Refer from Philosophy.

School-books. *See* Text-books.

School-houses. *See also* School hygiene.
Refer from Architecture; Education; Schools.

School hygiene.
Refer from Education; Hygiene, public; School-houses; Schools.

School law

School music.
Refer from Education; Music; Songs.

Schools-Directories

Schoolmasters. *See* Teachers.

Schools. *See also* Academies; Charity schools; ~~Colleges~~; Education; Grammar schools; Kindergarten; Normal schools; Private schools; Public schools; Ragged schools; School-houses; School hygiene; Sewing schools; Sunday schools.
Refer from Education.

Science. *See also* Arts, ~~useful~~; Astronomy; Biology; Botany; Chemistry; Economics; Ethics; Ethnology; Evolution; Geography; Geology; History; Instruments; Inventions; Language; Law; Logic; Man; Mathematics; Medicine; Meteorology; Microscope; Military art and science; Mineralogy; Natural history; Nature; Nature study; Naval art and science; Paleontology; Philosophy; Physical geography; Physics; Political science; Psychology; Religion and science; Scientists; Sociology; Theology; Weights and measures; Zoology.
Refer from Discoveries (in science);

Knowledge; Natural history; Natural science; Nature; Philosophy.

Science and religion. *See* Religion and science.

Science - Philos.
" , Popular - 10th-13th

Scientific apparatus. *See also* Instruments.
Refer from Instruments.

Scientific associations. *See* Scientific societies.

Scientific education.
Refer from Education.

Scientific men. *See* Scientists.

Scientific expedi

Scientific societies.
Refer from Scientific associations; Societies.

Scientists. *See also* Astronomers; Botanists; Electricians; Naturalists.
Refer from Authors; Biography; Naturalists; Science; Scientific men.

Scouring. *See* Cleaning; Dyeing.

Scriptures. *See* Bible.

Sculptors. *See also* Artists.
Refer from Artists; Biography; Sculpture.

Sculpture. *See also* Anatomy for artists; Arts, ~~fine~~; Bas-relief; Bronzes; Carving; Drawing; Esthetics; Ivory; Monuments; Sculptors.
Refer from Archaeology; Arts, ~~fine~~; Bas-relief; Carving (wood, *etc.*); Decoration and ornament; Monuments; Statues; Stone-cutting.

Sea. *See* Ocean.

Sea bathing. *See* Baths and bathing.

Sea mosses. *See* Algæ.

Sea power. *See* Naval art and science; Naval history.

Seal (animal).
Refer from Fisheries; Mammals; Marine zoology; Zoology.

Seals (numismatics).
Refer from Archaeology; Signets.

Seamanship. *See* Navigation.

Seamen. *See* Sailors.

Seashore. *See also* Algæ; Baths and bathing; Beaches; Marine zoology; Ocean.
Refer from Beaches; Marine zoology; Ocean; Physical geography; Shore.

Seasickness.
Refer from Medicine, practice of; Naval hygiene; Ocean.

Seasons. *See also* Autumn; Spring; Summer; Winter.
Refer from Astronomy; Meteorology; Months; Year.

Seaweeds. *See* Algæ.
Secession. *See also* Confederate states; State rights; U. S., *History, Civil war*, U. S. - Pol. & Govt. - Civil war
Refer from Federal government; Political science; State rights. Confederate states
Second advent. *See also* Jesus Christ; Judgment, day of; Millennium; Prophecies; Second adventists.
Refer from Advent; Jesus Christ; Millennium; Prophecies; Theology.
Second adventists.
Refer from Millerites; Second advent; Sects.
Second sight. *See also* Clairvoyance.
Refer from Animal magnetism; Divination; Occult sciences; Superstition.
Secondary batteries. *See* Storage batteries.
Secondary schools. *See* High schools
Secret societies. *See also* Fenians; Freemasonry; Malta, knights of; Nihilism; Odd-fellows; Rosicrucians; Templars.
Refer from Societies.
Secret writing. *See* Cipher.
Sects. *See also* Baptists; Brownists; Catholic church; Christian union; Church of England; Congregationalism; Dissenters; Friends, society of; Huguenots; Hussites; Methodist episcopal church; Moravians; Mormonism; Nestorians; New Jerusalem; Presbyterianism; Protestant episcopal church; Second adventists; Shakers; Unitarianism; Universalism; Waldenses.
Refer from Belief; Christianity; Church history; Denominations; Faith; Protestantism; Religion; Religions; Theology.
Securities. *See* Bonds; Investments; Mortgages; Stocks. Securities, Collateral
Seedlings.
Refer from Botany.
Seeds.
Refer from Botany.
Seismology. *See* Earthquakes; Volcanoes.
Self-culture. *See also* Conduct of life; Conversation; Education; Etiquette.
Refer from Conduct of life; Culture; Education; Ethics; Self-education; Young men; Young women.
Self-education. *See* Self-culture.
Senate. *See* names of countries and states, as U.S.; France; Rome; Massachusetts.
Sensation. *See* Senses.
Senses. *See also* Blind; Color-sense; Deaf and dumb; Deafness; Ear; Eye; Hear-

ing; Light; Sight; Smell; Sound; Taste; Touch.
Refer from Intellect; Philosophy; Physiology; Psychology; Sensations.
Sepoy war. *See* India, *History*.
Sepulchres. *See* Tombs.
Sepulture. *See* Burial.
Serfdom. *See also* Russia; Slavery.
Refer from Political science; Slavery.
Sermon on the Mount. *See also* Beatitudes.
Refer from Beatitudes; Bible.
Sermons. *See also* Preaching.
Refer from Homiletics; Literature; Preaching; Religion; Theology.
Serpent-worship.
Refer from Animals, worship of; Religion; Religions; Serpents; Worship.
Serpents. *See also* Reptiles; Serpent-worship.
Refer from Reptiles; Snakes.
Servants. *See also* Master and servant.
Refer from Domestic economy; Domestics; Labor; Master and servant.
Service-books. *See* Liturgies.
Settlements. *See* Social settlements.
Sewage.
Refer from Sewerage.
Sewers & Sewerage. *See also* Drainage; Sanitary engineering; Sewage.
Refer from Drainage; House drainage; Sanitary engineering.
Sewing. *See* Needlework.
Sewing schools.
Refer from Needlework; Schools.
Sex.
Refer from Biology; Man; Physiology; Woman.
Shadow pantomimes.
Refer from Amateur theatricals; Pantomime.
Shadows.
Refer from Drawing; Perspective.
Shakers.
Refer from Sects; Socialism.
Sheep. *See also* Wool.
Refer from Agriculture; Domestic animals; Live stock; Wool; Worsted.
Shell-mounds.
Refer from Archaeology; Mounds.
Shells. *See* Mollusks; Projectiles.
Sheriffs.
Refer from County officers; Law.

Servants - Fiction.

Sex in plants, see Plants, Sex in

Ship-building. *See also* Armored vessels; Boating; Ships; Yachting.
Refer from Architecture, naval; Arts, useful; Marine architecture; Naval architecture; Naval art and science; Navigation; Ships; Steam navigation; Vessels.
Ship-fever. *See* Typhus fever.
Ships. *See also* Anchors; Armored vessels; Boating; Commerce; Galleys; Naval art and science; Navigation; Sailing; Sailors; Sails; Ship-building; Shipwrecks; Steam navigation; Yachting.
Refer from Navigation; Ocean; Ship-building; Vessels.
Shipwrecks. *See also* Collisions; Life-boats; Life-saving.
Refer from Accidents; Adventure; Collisions; Disasters; Life-saving; Navigation; Ocean; Ships; Wrecks.
Shoemakers.
Refer from Biography.
Shoes.
Refer from Boots; Costume; Foot; Leather; Manufactures.
Shooting. *See also* Archery; Game; Gun; Gunnery; Hunting; Rifle; Sports.
Refer from Firearms; Gunnery; Hunting; Rifle; Sports.
Shooting-stars. *See* Meteors.
Shore. *See* Seashore.
Shorthand. *See also* Abbreviations; Writing.
Refer from Abbreviations; Phonography; Reporting; Signs; Stenography; Tachygraphy; Writing.
Shrines. *See also* Relics.
Refer from Church antiquities; Church furniture; Relics.
Shrubs. *See also* Botany; Gardening; Landscape gardening; Trees.
Refer from Botany; Gardening; Landscape gardening.
Sick, the. *See* Invalids.
Sieges. *See also* Battles; Fortifications; Military art and science.
Refer from Battles; History; Military art and science; Military history.
Sight. *See also* Blind; Color-blindness; Eye; Spectacles.
Refer from Eye; Light; Senses; Vision.
Sign language. *See also* Cipher; Deaf and dumb; Pantomime.
Refer from Deaf and Dumb; Gesture; Language; Signs.

Short stories - Collection
" " -

Siderosis

Sign painting. *See also* Alphabets; Painting, mechanical.
Refer from Painting, mechanical; Signboards; Signs.
Signals. *See also* Flags; Telegraph.
Refer from Military art and science; Navigation; Signs.
Signatures. *See* Autographs.
Signboards. *See also* Sign painting.
Refer from Advertising; Archaeology; Commerce; Signs.
Signets. *See* Seals.
Signs. *See* Omens; Shorthand; Sign language; Sign painting; Signals; Signboards.
Silhouettes.
Refer from Arts, fine.
Silk.
Refer from Fibres; Textile fabrics; Yarn.
Silos. *See* Ensilage.
Silver. *See also* Bimetallism; Coins and medals; Free coinage; Mines and mining; Money; Plate; Precious metals.
Refer from Bimetallism; Free coinage; Metals; Mines and mining; Money; Precious metals; Specie.
Silverplating. *See* Electroplating; Plating.
Silversmithing. *See also* Jewelry; Plate.
Refer from Arts, fine; Jewelry; Metalwork; Plate.
Sin. *See also* Absolution; Confession; Crime; Depravity; Fall of man; Future punishment; Predestination; Repentance; Salvation; Temptation.
Refer from Depravity; Ethics; Evil; Fall of man; Original sin; Religion; Temptation; Theology; Total depravity.
Singers.
Refer from Biography; Musicians; Singing; Vocalists; Woman.
Singing. *See also* Chanting; Music; Singers; Songs; Voice.
Refer from Chanting; Music; Voice.
Sisterhoods. *See also* Convents; Deaconesses; Monasticism; Nunneries; Nuns.
Refer from Catholic church; Charities; Church history; Church of England; Church polity; Monasticism; Protestant episcopal church in the U. S; Religious orders; Woman.
Skating.
Refer from Ice; Locomotion; Sports.
Skeleton. *See* Bones.
Skepticism. *See also* Agnosticism; Athe-

Six nations, see Indians of N.A. - N.Y.

ism; Deism; Free thought; Materialism; Pantheism; Rationalism.
Refer from Agnosticism; Atheism; Doubt; Faith; Free thought; Infidelity; Philosophy; Religion; Scepticism; Theology; Unbelief.
Sketching. *See* Drawing; Painting.
Skin. *See also* Chicken-pox; Color of man; Parasites; Smallpox.
Refer from Cutaneous diseases.
Skull. *See also* Brain; Head.
Refer from Anatomy; Bones; Craniology; Head.
Sky. *See* Astronomy; Meteorology.
Slander. *See* Libel and slander.
Slang. *See also* Americanisms.
Refer from Argot; Dialects; Language.
Slave-trade. *See also* Africa; Slavery.
Refer from Ethics; Negroes; Slavery.
Slavery. *See also* Abolitionists; Africa; African colonization; Freedmen; Galleys; Negroes; Serfdom; Slave-trade; South; United States.
Refer from Abolition of slavery; Anti-slavery; Colored people; Emancipation; Ethics; Freedmen; Freedom; History; Labor; Liberty; Negroes; Political science; Serfdom; Slave-trade; Sociology.
Sleep. *See also* Animal magnetism; Dreams; Hypnotism; Insomnia; Nightmare; Somnambulism.
Refer from Dreams; Hygiene; Insomnia; Night; Physiology; Psychology; Somnambulism; Subconsciousness.
Sleep-walking. *See* Somnambulism.
Sleight of hand. *See* Conjuring.
Slojd. *See* Sloyd.
Sloyd. *See also* Wood-carving.
Refer from Manual training; Slojd; Wood-carving.
Smallpox. *See also* Inoculation; Vaccination; Varioloid.
Refer from Contagion; Epidemics; Inoculation; Medicine, practice of; Skin; Vaccination; Variola; Varioloid.
Smell. *See also* Nose.
Refer from Nose; Odors; Senses.
Smelting. *See* Metals.
Smoke. *See also* Fumigation.
Refer from Combustion; Fire.
Smoking. *See* Tobacco.
Smuggling.
Refer from Commerce; Criminal law; Tariff.

Skin-Diseases

Slavery in the U.S.

Southern states

underground railroad; Southern states

Snakes. *See* Reptiles; Serpents.
Snow. *See also* Avalanches; Ice; Water.
Refer from Meteorology; Water.
Soap.
Refer from Cleaning; Manufactures.
Sobriquets. *See* Nicknames; Pseudonyms.
Social science. *See also* Civilization; Economics; Political science; ~~Sociology~~ (Ref. under social.)
Social settlements. *See also* Poor.
Refer from Charities; College settlements; Philanthrophy; Poor; Settlements; Sociology; University settlements.
Socialism. *See also* Communism; Cooperation; Economics; Individualism; Shakers.
Refer from Collectivism; Communism; Cooperation; Economics; Individualism; Nationalism; Political science; Property; Sociology; Utopia.
Societies. *See also* Agricultural societies; Bible societies; Clubs; Corporations; Friendly societies; Geographical societies; Gilds; Historical societies; Scientific societies; Secret societies; Tract societies; Trade-unions.
Refer from Academies; Associations; Clubs; Sociology.
Society. *See* Etiquette; Sociology; Solitude.
Society of Jesus. *See* Jesuits.
Socinianism. *See also* Arianism; Trinity; Unitarianism.
Refer from Arianism; Jesus Christ; Theology; Trinity; Unitarianism.
Sociology. *See also* Caste; Charities; Children; Christianity; Cities; Civilization; Clubs; Colonies; Communism; Cooperation; Corporations; Crime; Divorce; Economics; Education; Ethics; Etiquette; Family; Feudalism; Friendly societies; Gilds; Immigration; Insurance; Labor; Law; Man; Manners and customs; Marriage; Peace; People; Political science; Poor; Population; Prisons; Progress; Property; Punishment; Religion; Slavery; Social settlements; Socialism; Societies; Statistics; Temperance; Theology; Utopia; Woman.
Refer from Civilization; Ethics; History; Labor; Man; People; Political science; Science; Social science; Society.
Soils. *See also* Agricultural chemistry.
Refer from Agricultural chemistry; Agriculture; Geology.

Social ethics
Social psychology
" ethics

Social life & cust. See also name of countries, states & cities, subhead Soc. life & cust. also Marriage

Woman - Soc. & clubs
Girls - " "

Society, Primitive

Solar system. *See also* Asteroids; Astronomy; Planets [and their names]; Sun. Mars Gyroscope
Refer from Astronomy; Planets; Sun.

Soldering.
Refer from Metal-work; Plumbing.

Soldiers. *See also* Military art and science; Military biography; Pensions.
Refer from Biography; Military art and science; Military biography.

Solids.
Refer from Physics.

Solitaire. *See also* Patience (game).
Refer from Games.

Solitude. *See also* Hermits.
Refer from Ethics; Society.

Solution (Chemistry)

Somnambulism. *See also* Dreams; Sleep.
Refer from Medicine, practice of; Night; Psychology; Sleep; Sleep-walking.

Songs. *See also* Anthems; Ballads; Carols; Church music; Folk-songs; Glees; Hymns; Lyric poetry; National songs; School music; Voice. [Songs without music go with Ballads.]
Refer from Ballads; Carols; Folk-songs; Glees; Music; Poetry; Singing; Vocal music.

Songs - Bib.l.

Sonnets. See also Amer. sonnets; Eng. sonnets
Refer from Poetry.

Sorcery. *See* Witchcraft.

Sore throat.
Refer from Medicine, practice of; Throat.

Soubriquets. *See* Nicknames; Pseudonyms.

Soul. *See also* Animal psychology; Future life; Preëxistence; Psychology; Transmigration.
Refer from Ethics; Future life; Man; Materialism; Philosophy; Preëxistence; Psychology; Salvation; Spirit; Theology; Transmigration.

Southern states - Descr. & trav.

Sound. *See also* Ear; Music; Noise; Phonetics; Phonograph; Radiation; Telephone; Voice.
Refer from Acoustics; Architecture; Ear; Music; Noise; Physics; Radiation; Senses; Voice.

Sovereigns. *See* Emperors; Kings; Monarchy; Queens.

Space.
Refer from Astronomy; Philosophy.

Spanish America
Spanish-American war, 1898, see U.S. - Hist. - war of 1898
Spanish drama.

Sparring. *See* Boxing.

Speakers. *See* Orators; Readers and speakers.

Speaking. *See* Elocution; Oratory; Preaching; Rhetoric; Voice.
Specie. *See* Gold; Money; Silver.
Species. *See also* Evolution.
Refer from Biology; Evolution; Origin of species; Variation of species; Zoology.
Specific gravity. *See also* Gravitation; Weights and measures.
Refer from Gravitation; Weights and measures.
Spectacles.
Refer from Eye; Light; Optical instruments; Sight.
Spectres. *See* Apparitions; Ghosts.
Spectroscope. *See* Spectrum.
Spectrum.
Refer from Analysis; Astronomy; Chemistry; Light; Optical instruments; Spectroscope; Sun.
Speculation. *See also* Credit; Investments; Panic; Stocks.
Refer from Commerce; Economics; Investments; Panics.
Speech. *See also* Conversation; Deaf and dumb; Elocution; Language; Liberty of speech; Stammering; Voice.
Refer from Language; Voice.
Speeches. *See* Orations; Oratory.
Spellers. *See also* Primers.
Refer from Text-books.
Spelling.
Refer from Language; Orthography; Phonetics; Words.
Spine. *See also* Nervous system.
Refer from Anatomy; Nervous system.
Spinning. *See also* Yarn.
Refer from Textile fabrics; Yarn.
Spires. *See also* Towers.
Refer from Architecture; Church architecture; Steeples; Towers.
Spirit. *See* Holy spirit; Soul.
Spiritism. *See* Spiritualism.
Spirits. *See* Apparitions; Demonology; Ghosts; Spiritualism; Witchcraft.
Spiritualism. *See also* Animal magnetism; Apparitions; Clairvoyance; Mind-reading.
Refer from Apparitions; Future life; Miracles; Occult sciences; Philosophy; Religions; Spiritism; Spirits; Supernatural; Superstition; Table-moving; Theology.
Spirituous liquors. *See* Liquors; Temperance.

Species, Origin of

Specific performance

Spherical harmonics

Spiders
Spinal cord - Diseases
Spinal cord - Pathology

Spoils system. *See* Civil service.

Sports. *See also* Acrobats; Amusements; Archery; Baseball; Baths and bathing; Betting; Boating; Bowling; Boxing; Bull fights; Camping; Canoeing; Cricket; Curling; Cycling; Driving; Falconry; Fencing; Fishing; Football; Gambling; Games; Golf; Gymnastics; Horse-racing; Horsemanship; Hunting; Mountaineering; Physical education; Poaching; Rowing; Running; Sailing; Shooting; Skating; Swimming; Tournaments; Training; Trapping; Walking; Yachting.

Refer from Amusements; Athletics; Country life; Field-sports; Game; Games; Gymnastics; Hunting; Manly exercise; Outdoor life; Physical education; Plays; Recreation; Shooting.

Spring.

Refer from Seasons.

Springs. *See also* Geysers.

Refer from Fountains; Geysers; Physical geography; Water.

Stables. *See also* Barns; Horse.

Refer from Agriculture; Architecture; Barns; Domestic animals; Horse.

Stage. *See* Acting; Drama; Theatre.

Stage-coaches. *See* Carriages; Coaching.

Stained glass. *See* Glass-painting.

Stair-building. *See also* Carpentry; Hand-railing.

Refer from Architecture; Carpentry.

Stammering.

Refer from Speech; Stuttering; Voice.

Stamps. *See* Postage-stamps.

Standards. *See* Flags; Units; Weights and measures.

Stars. *See also* Asteroids; Astrology; Astronomy; Meteors; Planets; Zodiac.

Refer from Astronomy; Constellations.

Starvation. *See also* Famines.

Refer from Abstinence; Diet; Famines; Fasting.

State, the. *See* Political science.

State church. *See* Church and state; Disestablishment.

State rights. *See also* Nullification; Secession.

Refer from Nullification; Political science; Secession.

Statesmanship. *See* Diplomacy; Political science.

Spraying

Stars, Double
" - Spectra

State docs., see
U.S. - State-docs.

Statesmen.
Refer from Biography; Political science.

Statics. *See also* Mechanics.
Refer from Dynamics; Engineering; Equlibrium; Mechanics; Physics.

Stationery. *See also* Ink; Paper.
Refer from Commerce; Manufactures.

Statistics. *See also* Almanacs; Census; Population; Vital statistics; Year-books.
For statistics of a special subject, country, or place, *see* its name.
Refer from Census; Commerce; Economics; History; Political science; Population; Sociology.

Statues. *See* Sculpture.

Statutes. For the statutes of any country or state *see* its name, subhead Laws, statutes etc

Steam. *See also* Boilers; Steam-engine; Steam heating; Steam navigation.
Refer from Boilers; Heat; Physics; Steam-engine; Vapor; Water.

Steam-boilers. *See* Boilers; Steam-engine.

Steam-engine. *See also* Boilers; Fire-engine; Heat; Locomotives; Machinery; Railroads; Steam; Steam navigation.
Refer from Boilers; Engineering; Engines; Locomotives; Machinery; Mechanics; Motors; Railroads; Steam; Steam-boilers; Steam navigation.

Steam heating. *See also* Heating.
Refer from Heating; Steam.

Steam navigation. *See also* Navigation; Ship-building; Steam-engine.
Refer from Commerce; Inland navigation; Navigation; Ships; Steam; Steam-engine; Steamboats; Steamships; Transportation.

Steam measurement

Steamboats. *See* Steam navigation.

Steamships. *See* Steam navigation.

Steel. *See also* Casting; Iron.
Refer from Iron; Metals.

Steeples. *See* Spires.

Stenography. *See* Shorthand.

Stereochemistry.

Stereography. *See* Geometry.

Stereopticon. *See* Magic lantern.

Stereoscope.
Refer from Light; Optical instruments.

Stereotomy. *See* Stone-cutting.

Stereotyping. *See also* Printing.
Refer from Printing.

Stimulants and narcotics. *See also* Alcohol;

Beverages; Coffee; Liquors; Morphia; Opium; Tea; Temperance; Tobacco.
Refer from Beverages; Diet; Food; Hygiene; Medicine; Narcotics; Temperance; Therapeutics.

Stock breeding. *See* Cattle; Domestic animals.

Stock companies. *See* Corporations.

Stock exchange. *See also* Banks and banking; Money; Panics; Stocks.
Refer from Banks and banking; Brokers; Business; Economics; Money; Stocks.

Stockings. *See* Hosiery.

Stocks. *See also* Bonds; Corporations; Investments; Stock exchange.
Refer from Banks; Bonds; Commerce; Corporations; Economics; Exchange; Finance; Investments; Negotiable instruments; Securities; Speculation; Stock exchange.

Stoics.
Refer from Ethics; Philosophy.

Stomach. *See also* Digestion.
Refer from Abdomen; Anatomy; Digestion.

Stone. *See also* Blasting; Masonry; Precious stones; Quarrying; Rocks; Stone-cutting.
Refer from Building materials; Geology; Masonry; Mineralogy; Rocks.

Stone age.
Refer from Archaeology.

Stone-cutting. *See also* Sculpture.
Refer from Stereotomy; Stone.

Storage batteries.
Refer from Accumulators; Batteries; Electric batteries; Electric railroads; Secondary batteries.

Stories. *See* Children's literature; Fairy tales; Fiction; Legends; Romances.

Storms. *See also* Thunder-storms; Winds.
Refer from Cyclones; Hurricanes; Meteorology; Thunder-storms; Tornadoes; Weather; Whirlwinds; Winds. West Indian hurricane

Stoves. *See also* Heating.
Refer from Heating.

Strains. *See* Strength of materials.

Strategy. *See* Military art and science; Naval art and science.

Street cleaning.
Refer from Cleaning; Roads; Sanitary engineering; Sweeping.

Street-railroads. *See also* Electric railroads; Horse-railroads.
Refer from Railroads; Roads; Tramways.

Streets. *See* Roads.

Strength of materials. *See also* Architecture; Bridges; Building materials; Elasticity; Girders; Masonry; Roofs; Trusses.
Refer from Architecture; Bridges; Building materials; Elasticity; Engineering; Masonry; Materials, strength of; Mechanics; Strains; Testing; Timber; Trusses.

Strikes and lockouts. *See also* Arbitration, industrial; Labor; Trade-unions.
Refer from Capital; Economics; Labor; Lockouts; Trade-unions.

Students. *See also* Colleges; Education.
Refer from Colleges and universities; Education; Literary men.

Stuttering. *See* Stammering.

Style. *See* Costume; Fashion; Rhetoric.

Subconsciousness. *See also* Faith-cure; Hypnotism.
Refer from Consciousness; Faith-cure; Hypnotism; Mind and body; Psychology; Sleep.

Submarine warfare. *See also* Torpedoes.
Refer from Naval art and science.

Subways. *See also* Tunnels.
Refer from Engineering; Railroads; Tunnels.

Success. *See also* Business; Conduct of life.
Refer from Business; Conduct of life; Ethics; Wealth; Young men.

Suffering. *See also* Affliction; Consolation; Pain.
Refer from Pain.

Suffrage. *See also* Ballot; Citizenship; Election; Naturalization; Representation; Woman suffrage.
Refer from Ballot; Democracy; Elections (~~in politics~~); Political science; Representation; Voting.

Sugar.
Refer from Agriculture; Food.

Suggestion, mental. *See* Animal magnetism; Hypnotism.

Suicide.
Refer from Criminal law; Death; Ethics; Medical jurisprudence; Murder.

Suits at law. *See* Actions at law.

Summer.
Refer from Seasons.

Sun. *See also* Eclipses; Solar system; Spectrum.
Refer from Astronomy; Eclipses; Heat; Light; Solar system.

Sun-dials.
Refer from Archaeology; Dialing; Time-keepers.

Sunday.
Refer from Ethics; Fasts and feasts; Religion; Sabbath; Theology.

Sunday schools. *See also* Bible classes; Religious education.
Refer from Bible classes; Children; Education; Religious education; Schools.

Sunstroke. *See* Heatstroke.

Supernatural. *See also* Apparitions; Miracles; Religion; Spiritualism; Superstition; Theology.
Refer from Philosophy; Religion; Superstition.

Superstition. *See also* Alchemy; Amulets; Apparitions; Astrology; Charms; Delusions; Demonology; Devil; Divination; Dreams; Fairies; Fetishism; Folk-lore; Fortune-telling; Ghosts; Legends; Mythology; Occult sciences; Omens; Oracles; Palmistry; Relics; Religions; Second sight; Spiritualism; Supernatural; Theosophy; Totems; Werwolves; Witchcraft.
Refer from Delusions; Folk-lore; Mythology; Religion; Supernatural; Witchcraft.

Supply and demand. *See* Demand and supply.

Suppuration. *See also* Abscess; Ulcers.
Refer from Abscess; Pus; Ulcers.

Sureties. *See* Guaranties and sureties.

Surgeons.
Refer from Biography; Physicians; Surgery.

Surgery. *See also* Accidents; Amputation; Anatomy; Anesthetics; Antiseptics; Autopsy; Bloodletting; Bones; Deformities; Diagnosis; Dislocations; Fractures; Medicine; ~~Military surgery~~; Naval surgery; Surgeons; Surgical instruments; Wounds. Obstetrics
Refer from Accidents; Anatomy; Medicine; Medicine, practice of; Pathology; Wounds.

Sulphur
Sumerian inscriptior
Sulphobenzoic acid,
Ortho-

Sunfish, see Orthagoriscus mola Li

Surgery, military

Surgery, Subcutaneous, see
Subcutaneous surgery

Surgical instruments.
Refer from Instruments; Surgery.
Surnames. *See* Names.
Surrogate law. *See* Wills.
Surveying. *See also* Barometer; Engineering; Geodesy; Nautical surveying; Railroads; Topographical drawing; Trigonometry.
Refer from Arts, useful; Civil engineering; Engineering; Geodesy; Geography; Land; Leveling; Mathematics; Mensuration; Nautical surveying; Railroads; Topography; Trigonometry.
Swearing. *See also* Oaths.
Refer from Ethics; Oaths; Profanity.
Swedenborgianism. *See* New Jerusalem, church of the.
Sweeping. *See also* Chimney sweeping; Domestic economy; Street cleaning.
Refer from Carpets; Cleaning; Domestic economy; Floors.
Swimming. *See also* Baths and bathing; Diving.
Refer from Baths and bathing; Diving; Sports; Water.
Swine. *See* Hog.
Sword. *See also* Fencing.
Refer from Arms and armor; Fencing; Military art and science; Weapons.
Symbolics. *See* Creeds.
Symbolism. *See also* Christian art and symbolism; Emblems.
Refer from Arts, fine; Emblems; Religion.
Symbolism (in theology). *See* Creeds.
Symphonies.
Refer from Music.
Symptoms. *See* Diagnosis.
Synods. *See* Councils; *also* names of places at which synods were held.
Synonyms. See names of languages, subdiv. Synonyms
Refer from Language; Words.
Table, the. *See* Carving; Cookery; Dining; Eating; Food.
Table-moving. *See* Spiritualism.
Table-talk. *See also* Anecdotes.
Refer from Anecdotes; Aphorisms; Apothegms; Biography; Conversation; Epigrams; Sayings; Talking; Wit and humor.
Tableaux. *See also* Amateur theatricals.
Refer from Amateur theatricals; Amusements; Drama.

Susquehannock Indians

Sweating system

Swedes in Amer., see also New Sweden

Swine-Embryology

Tables. *See* Interest; Logarithms, *etc.*
Tachygraphy. *See* Shorthand.
Tactics. *See also* Artillery; Cavalry; Infantry; Military art and science; Naval tactics.
Refer from Drill; Military art and science.
Talismans. *See* Amulets; Charms.
Talking. *See* Conversation; Table-talk.
Talmud.
Refer from Bible; Jews.
Tanning. *See also* Leather.
Refer from Arts, useful; Leather.
Taoism.
Refer from Religions.
Tapestry. See also Bayeux tapestry
Refer from Arts, fine; Arts, useful; Decoration and ornament; Needlework; Textile fabrics; Wall decoration.
Tariff. *See also* Corn laws; Economics; England, *Finance;* Exportation; Reciprocity; Smuggling; Taxation; U. S., *Finance.*
Refer from Commerce; Customs; Duties; Economics; Exportation; Finance; Free trade; Imports; Protection; Revenue; Taxation; Trade.
Taste. *See* Esthetics.
Taste, sense of.
Refer from Senses.
Tattooing.
Refer from Manners and customs.
Taverns. *See* Hotels; Inns.
Taxation. *See also* Economics; Finance; Income tax; Tariff.
Refer from Assessment; Economics; Finance; Income tax; Internal revenue; Land; Personal property; Political science; Property; Real property; Revenue; Tariff.
Taxidermy.
Refer from Birds; Natural history; Zoology.
Tea.
Refer from Beverages; Stimulants and narcotics.
Teachers. *See also* Education; Normal schools.
Refer from Biography; Education; Schoolmasters; Teaching.
Teaching. *See also* Child study; Corporal punishment; Education; Examinations;

Tantalum, see Columbium

Taxation - Corporations

Kindergarten; Memory; Nature study; Object-teaching; Teachers. also under names of subjects

Refer from Education; Pedagogics; Training.

Technical education. *See also* Manual training.

Refer from Arts, useful; Education; Industrial education; Machinery; Manual training; Polytechnic schools.

Technology. *See* Arts, ~~useful~~; Manufactures.

Teeth.

Refer from Anatomy; Dentistry; Medicine, practice of; Mouth; Odontology.

Telegraph. *See also* Electric wires.

Refer from Arts, useful; Cables; Electric engineering; Electric telegraph; Electricity; Signals.

Telepathy. *See* Mind-reading.

Telephone.

Refer from Electricity; Sound.

Telescope.

Refer from Astronomical instruments; Astronomy; Light; Optical instruments.

Temperament. *See also* Nervous system.

Refer from Character; Nervous system.

Temperance. *See also* Alcohol; Beer; Beverages; Distillation; Drinking customs; Liquors; Opium; Stimulants and narcotics; Tobacco; Wine.

Refer from Abstinence; Alcohol; Beverages; Drinking customs; Drunkenness; Ethics; Food; Hygiene; Inebriates; Intemperance; Intoxication; License system; Liquors; Prohibition; Sociology; Spirituous liquors; Stimulants and narcotics; Total abstinence; Wine.

Temperature. *See also* Animal heat; Climate; Cold; Heat.

Refer from Climate; Heat; Meteorology.

Templars. *See also* Chivalry; Freemasonry.

Refer from Chivalry; Knights templars; Secret societies.

Temples.

Refer from Archaeology; Architecture; Church architecture; Religious art.

Temporal power. *See* Popes.

Temptation. *See also* Evil; Fall of man; Jesus Christ; Sin.

Refer from Ethics; Evil; Sin; Theology.

Ten commandments. *See* Commandments, ten.

Ten tribes of Israel. *See* Jews.

Tenant. *See* Landlord and tenant.

Technical chem., see Chem., Tech.

Tenement-houses. *See also* Architecture, domestic; Poor.
Refer from Architecture, domestic; Poor.

Tennis.
Refer from Games; Lawn-tennis.

Tents. *See also* Camping.
Refer from Camping; Military art and science.

Tenure of land. *See* Land. tenure

Terra-cotta. *See also* Pottery.
Refer from Building materials; Decoration and ornament; Pottery.

Testimony. *See* Evidence.

Testing. *See* Strength of materials; *also* object tested, such as Electric testing, *etc.*

Tetanus. *See* Lockjaw.

Text-books. *See also* Primers; Readers and speakers; Spellers.
Refer from Books and reading; Education; School-books.

Textile fabrics. *See also* Bleaching; Calico-printing; Carpets; Clothing; Cotton; Dry goods; Dyeing; Embroidery; Fibres; Flax; Hosiery; Linen; Silk; Spinning; Tapestry; Weaving; Wool; Worsted; Yarn.
Refer from Arts, useful; Cloth; Clothing; Cotton; Dry goods; Fibres; Linen; Manufactures; Weaving; Wool; Worsted; Yarn.

Textile industry & fabrics-Dire

Thanksgiving day.
Refer from Fasts and feasts; Holidays.

Theatre. *See also* Acting; Actors; Actresses; Amateur theatricals; Ballet; Drama; Masks; Miracle-plays; Opera; Pantomime.
Refer from Acting; Actors; Actresses; Amusements; Architecture; Drama; Ethics; Histrionics; Stage.

Theism. *See also* Atheism; Christianity; Deism; God; Theology.
Refer from Atheism; Deism; God; Philosophy; Religion; Theology.

Theodicy. *See* God.

Theological education. *See also* Religious education; Theological schools.
Refer from Education; Religious education; Theology.

Theological schools.
Refer from Divinity schools; Theological education.

Theology. [Including the Christian doc-

trines. For comparative theology and history of religion *see* Religion. For Christian evidences *see* Christianity.] *See also* Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic constitutions; Apostolic succession; Arminianism; Asceticism; Atheism; Atonement; Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy; Certainty; Christian; Christian union; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion; Creation; Creeds; Cross; Death; Deism; Depravity; Devil; Ethics; Evil; Faith; Fall of man; Fanaticism; Fasting; Fathers of the church; Free religion; Future life; Future punishment; God; Heaven; Hell; Heresy; Holy spirit; Infallibility; Jesus Christ; Judgment, day of; Justification; Liberty of conscience; Liberty of the will; Lord's prayer; Lord's supper; Love; Mass; Materialism; Millennium; Miracles; Missions; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Purgatory; Rationalism; Regeneration; Religion; Religion and science; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Temptation; Theism; Theological education; Transcendentalism; Transubstantiation; Trinity; Worship.

Refer from Bible; Christian doctrine; Christianity; Church history; Divinity; Doctrines; Dogmatic theology; Faith; God; Natural religion; Philosophy; Revelation; Science; Sociology; Supernatural; Theism.

Theosophy.

Refer from Buddhism, esoteric; Esoteric Buddhism; Occult sciences; Religion; Religions; Superstition.

Therapeutics. *See also* Anesthetics; Animal magnetism; Antiseptics; Baths and bathing; Bloodletting; Christian science; Cupping; Diet; Drugs; Exercise;

Theoretical chemistry, see Chem., Phys. & theor.

Faith-cure; Hydropathy; Inoculation; Massage; Materia medica; Medical electricity; Medicine; Nurses and nursing; Pathology; Pharmacy; Poisons; Purgatives; Rest; Stimulants and narcotics.

Refer from Hygiene; Materia medica; Medicine; Medicine, practice of; Remedies (in medicine).

Thermodynamics. *See also* Heat.

Thermometer.

Refer from Heat; Meteorology; Physics.

Thieves. *See* Robbers.

Thinking. *See* Logic; Philosophy; Psychology.

Thirty-nine articles. *See* Church of England.

Thirty years' war, 1618–48. *See also* Germany, *History*.

Refer from Germany, *History*; Reformation.

Thorough-bass. *See* Harmony.

Thought. *See* Logic; Philosophy; Psychology.

Thought-transference. *See* Mind-reading.

Throat. *See also* Breathing; Bronchitis; Sore throat; Voice; Tonsils

Refer from Anatomy; Breathing; Bronchitis; Voice.

Thunder-storms. *See also* Lightning; Storms.

Refer from Lightning; Meteorology; Storms.

Tides. *See also* Ocean.

Refer from Astronomy; Moon; Ocean; Physical geography.

Tiles. *See also* Bricks; Pottery.

Refer from Bricks; Pottery.

Timber. *See also* Forestry; Lumbering; Strength of materials; Trees; Wood.

Refer from Building materials; Forestry; Lumbering; Trees; Wood.

Time. *See also* Almanacs; Astronomy; Calendar; Chronology; Days; Eternity; Timekeepers.

Refer from Astronomy; Chronology; Philosophy.

Timekeepers. *See also* Clocks and watches; Pendulums; Sun-dials.

Refer from Arts, useful; Clocks and watches; Horology; Machinery; Manufactures; Time.

Tissues. *See* Histology.

Tithes. *See also* Church rates.

Refer from Church law; Church of England; Church polity; Church rates.

Thermic fever, see Heatstroke

Thorium

Throat-Diseases

Titles. *See also* Conveyancing; Real property; Sale.
Refer from Land; Law; Property; Real property; Sale.
Toadstools. *See* Mushrooms.
Toasts.
Refer from Dining; Drinking customs; Epigrams; Manners and customs.
Tobacco.
Refer from Agriculture; Smoking; Stimulants and narcotics; Temperance.
Toilet. *See also* Baths and bathing; Cosmetics; Costume; Perfumery.
Refer from Cosmetics; Costume.
Toleration. *See* Liberty of conscience; Religious liberty.
Tombs. *See also* Brasses; Burial; Catacombs; Cemeteries; Crypts; Epitaphs; Mounds; Tombstones.
Refer from Archaeology; Architecture; Burial; Cemeteries; Crypts; Monuments; Sepulchres; Vaults.
Tombstones. *See also* Epitaphs.
Refer from Monuments; Tombs.
Tools. *See also* Agricultural tools; Carpentry; Machinery.
Refer from Arts, useful; Carpentry; Instruments; Machinery.
Topographical drawing. *See also* Map drawing.
Refer from Drawing; Map drawing; Surveying; Topography.
Topography. *See* Geography; Surveying; Topographical drawing.
Tories, American. *See* American loyalists.
Tories, English. *See also* England, *History*; England, *Politics*.
Refer from Parties, political.
Tornadoes. *See* Storms.
Torpedoes.
Refer from Explosives; Military art and science; Naval art and science; Submarine warfare.
Torts.
Refer from Law; Wrongs.
Torture. *See also* Inquisition; Punishment.
Refer from Punishment.
Total abstinence. *See* Temperance.
Total depravity. *See* Depravity; Sin.
Totems.
Refer from Indians of N. A.; Mythology; Religion; Superstition; Worship.

Tonsils

Tortoise Sculptured, see Chelopus insculptus L.C.

Touch.
Refer from Feeling; Senses.
Tournaments. *See also* Chivalry.
Refer from Chivalry; Fighting; Sports.
Towers. *See also* Spires.
Refer from Architecture; Church architecture; Spires.
Town-meeting. *See also* Local government; Towns.
Refer from Democracy; Political science; Towns.
Town officers. *See also* Police.
Refer from Political science; Towns.
Towns. *See also* Boroughs; Cities; Local government; Municipal government; Town-meeting; Town officers; Villages.
Refer from Boroughs; Cities; Local government; Municipal corporations; Political science; Town-meeting; Villages.
Toxicology. *See* Poisons.
Toys. *See also* Dolls.
Refer from Amusements; Games.
Tract societies. *See also* Tracts.
Refer from Missions; Societies; Tracts.
Tractarianism. *See* Oxford movement.
Tracts. *See also* Tract societies.
Refer from Literature; Tract societies.
Trade. *See* Business; Commerce; Tariff.
Trade-marks. *See also* Patents.
Refer from Commerce; Law; Manufactures; Patents.
Trade-unions. *See also* Cooperation; Gilds; Labor; Strikes and lockouts.
Refer from Associations; Commerce; Cooperation; Economics; Gilds; Labor; Societies; Strikes and lockouts; Wages.
Traditions. *See* Folk-lore; Legends.
Tragedy. *See* Drama.
Training. *See also* Animals, training of; Education; Gymnastics; Physical education; Teaching.
Refer from Exercise; Hygiene; Physical education; Sports.
Tramps.
Refer from Crime; Poor; Vagabonds; Vagrancy.
Tramways. *See* Street-railroads.
Transcendentalism.
Refer from Philosophy; Rationalism; Theology.
Transformers. *See* Electric transformers.
Transit. *See* Transportation.

Transits. *See also* name of planet.
Refer from Astronomy; Planets.
Translation.
Refer from Language; Rhetoric.
Transmigration. *See also* Preëxistence; Soul.
Refer from Future life; Metempsychosis; Preëxistence; Reincarnation; Soul.
Transmutation of metals. *See* Alchemy.
Transportation. *See also* Canals; Carriages; Commerce; Ferries; Inland navigation; Railroads; Roads; Steam navigation; Vehicles.
Refer from Commerce; Locomotion; Transit; Vehicles.
Transportation (of criminals).
Refer from Exportation; Punishment.
Transubstantiation. *See also* Lord's supper; Mass.
Refer from Catholic church; Jesus Christ; Lord's supper; Mass; Real presence; Theology.
Trapping. *See also* Hunting.
Refer from Hunting; Sports.
Travel. [Put here books on the art of travel.] *See also* Pilgrimage; Voyages and travels.
Refer from Locomotion; Voyages and travels.
Travelers. *See also* Commercial travelers; Explorers; Voyages and travels.
Refer from Biography; Explorers.
Travels. *See* Voyages and travels.
Treason.
Refer from Criminal law; Law; Murder.
Treaties. *See also* Diplomacy; International law; *also* names of countries, places at which treaties were made, *etc.*
Refer from Diplomacy; History; International law; Ministers (of state); Political science.
Tree-worship.
Refer from Trees; Worship.
Trees. *See also* Arbor-day; Bark; Botany; Evergreens; Forestry; Fruit; Grafting; Landscape gardening; Lumbering; Pruning; Timber; Tree-worship.
Refer from Agriculture; Botany; Evergreens; Forestry; Shrubs; Timber; Wood.
Trespass.
Refer from Law; Property.
Trial by combat. *See* Wager of battle.

Trial by jury. *See* Jury.
Trials. [See the Boston Athenæum catalogue for a subdivision of Trials by subject.] *See also* Actions at law; Evidence; Jury; Pleading; Witnesses.
Refer from Actions at law; Crime; Criminal law; Jury; Law; Murder; Pleading.
Tricycling. *See* Cycling.
Trigonometry. *See also* Geodesy; Geometry; Logarithms; Mathematics; Mensuration; Navigation; Surveying.
Refer from Geometry; Logarithms; Mathematics; Surveying.
Trinity. *See also* Arianism; Athanasian creed; God; Holy spirit; Jesus Christ; Socinianism; Unitarianism.
Refer from Arianism; God; Holy spirit; Jesus Christ; Philosophy; Socinianism; Theology; Unitarianism.
Triumphal arches. *See* Arches of triumph.
Tropics.
Refer from Earth; Geography; Physical geography.
Trotting. *See* Horse; Horse-racing.
Troubadours. *See also* Provençal literature.
Refer from Bards; Minstrels; Poetry; Poets.
Trouvères.
Refer from Bards; Minstrels; Poetry; Poets.
Trusses. *See also* Bridges; Girders; Roofs; Strength of materials.
Refer from Architecture; Bridges; Girders; Roofs; Strength of materials.
Trustees. see Trusts & trustees
Refer from Law.
Trusts. *See also* Capital; Monopolies.
Refer from Capital; Commerce; Commercial law; Corporations; Economics; Monopolies.
Truth. *See also* Axioms; Belief; Certainty; Lying.
Refer from Belief; Certainty; Ethics; Faith; Lying; Philosophy.
Tuberculosis. *See* Consumption.
Tumors. *See also* Cancer.
Refer from Medicine, practice of.
Tumuli. *See* Mounds.
Tuning.
Refer from Musical instruments.
Tunnels. *See also* Blasting; Subways.
Refer from Engineering; Mines and mining; Railroads; Subways.

Triangulation
Trichomonas

Trusts, Industrial
Trusts & trustees
Trypanosomiasis

Turbines. *See also* Water-wheels.
Refer from Hydraulic engineering; Water-wheels: Wheels.

Turning. *See also* Woodwork.
Refer from Arts, useful; Cabinet work; Carpentry: Carving (wood, etc.); Lathe; Machinery: Woodwork.

Twins.
Refer from Children.

Type. *See* Printing.

Typewriting.
Refer from Writing.

Typhoid fever. *See also* Typhus fever.
Refer from Contagion; Enteric fever; Fever; Typhus fever.

Typhus fever. *See also* Typhoid fever.
Refer from Fever; Ship-fever; Typhoid fever.

Typography. *See* Printing.

Tyranny. *See also* Despotism.
Refer from Despotism; Monarchy; Political science.

Ulcers. *See also* Suppuration.
Refer from Suppuration.

Ultramontanism. *See also* Catholic church; Popes; Vatican council.
Refer from Catholic church.

Umbrella.
Refer from Costume.

Unbelief. *See* Skepticism.

Understanding. *See* Intellect; Psychology.

Underground railroad, see slavery

Unitarianism. *See also* Arianism; Free religion; Jesus Christ; Socinianism; Trinity.
Refer from Arianism; Congregationalism; Jesus Christ; Sects; Socinianism; Trinity.

United brethren. *See* Moravians.

Units. *See also* Electric measurement; Weights and measures.
Refer from Physics; Standards; Weights and measures.

Universal hist., see Hist., Univ.

Universalism. *See also* Future life; Future punishment.
Refer from Congregationalism; Future punishment; Salvation; Sects.

Universe. *See also* Astronomy; Creation; Earth; Plurality of worlds.
Refer from Astronomy; Cosmogony; Cosmography; Cosmology; Creation; Philosophy; World.

Universities. ~~See~~ 2nd Colleges ~~and universities.~~ Universities + colleges-Cats
See also Education

University extension.
Refer from Colleges and universities; Education.
University settlements. *See* Social settlements.
Upholstery. *See also* Furniture; House decoration.
Refer from Arts, useful; Furniture; House decoration.
Urns. *See also* Vases.
Refer from Burial; Pottery; Vases.
Usages. *See* Etiquette; ~~Manners~~ Socialists and customs.
Useful arts. *See* Arts, ~~useful~~ Indus.; Manufactures.
Usury. *See* Interest.
Utilitarianism.
Refer from Ethics; Philosophy.
Utopia.
Refer from Political science; Socialism; Sociology.
Vacations. *See also* Holidays.
Refer from Holidays; Hygiene.
Vaccination. *See also* Inoculation; Smallpox; Varioloid.
Refer from Inoculation; Medicine; Smallpox; Varioloid
Vagabonds. *See* Robbers; Tramps.
Vagrancy. *See* Poor; Poor laws; Tramps.
Valdenses. *See* Waldenses.
Valleys. *See also* Erosion; Rivers.
Refer from Erosion; Physical geography; Rivers.
Value. *See also* Cost; Money; Prices.
Refer from Cost; Economics; Prices.
Vapor. *See* Evaporation; Gases; Steam.
Variation of species. *See* Evolution; Species.
Variation of the compass. *See* Compass.
Variola. *See* Smallpox.
Varioloid. *See also* Smallpox; Vaccination.
Refer from Medicine, practice of; Smallpox; Vaccination.
Varnishing. *See also* Japanning; Lacquer; Painting, mechanical.
Refer from Japanning; Painting, mechanical.
Vases. *See also* Pottery; Urns.
Refer from Amphoræ; Decoration and ornament; Pottery; Urns.
Vassals. *See* Feudalism.
Vatican. *See also* Catholic church; Popes; Rome.

Ureter
Urine-Analysis
Urinary organs

Uterus-Diseases
Uterus-Excision

Vatican-Library. see Rome-Bibliotheca vaticana

Vatican council. *See also* Immaculate conception; Infallibility; Popes.
Refer from Catholic church; Infallibility; Popes; Ultramontanism.
Vaudois. *See* Waldenses.
Vaulting. *See also* Arches; Domes.
Refer from Arches; Architecture; Masonry; Roofs.
Vaults. *See* Tombs.
Vegetables. *See also* Botany; Cookery; Gardening.
Refer from Agriculture; Botany; Food; Gardening; Market gardening.
Vegetarianism. *See also* Animal food.
Refer from Animal food; Diet; Food.
Vehicles. *See also* Ambulances; Carriages; Cars; Chariots; Coaching; Transportation; Wagons; Wheels.
Refer from Transportation; Wagons.
Veins. *See also* Arteries.
Refer from Anatomy; Arteries; Blood.
Velocipedes. *See* Cycling.
Vendors. *See* Sale.
Venesection. *See* Bloodletting.
Ventilation. *See also* Chimneys; Heating.
Refer from Air; Architecture; Chimneys; Domestic economy; Heating; Hygiene; Mines and mining; Sanitary engineering.
Ventriloquism.
Refer from Amusements; Elocution; Voice.
Versification. *See also* Metre; Poetry; Prosody; Rhyme.
Refer from Authorship; Metre; Poetry; Prosody.
Vertebrates. *See also* Batrachia; Birds; Fish; Mammals; Reptiles; Zoology.
Refer from Mammals; Zoology.
Vessels. *See* Navigation; Ship-building; Ships.
Vestments. *See* Church vestments.
Veterinary medicine. *See also* Cattle; Domestic animals; Horse.
Refer from Cattle; Domestic animals; Horse; Medicine.
Veto.
Refer from Political science; Presidents.
Viaducts. *See* Bridges.
Vice. *See* Crime; Ethics.
Vikings. *See* Northmen.
Village communities. *See also* Local government.
Refer from Local government; Political science.

Vector analysis
vegetable pathology
" physiology
Vedas, see also Vedânta

Venereal diseases

Verdicts

Villages. *See also* Towns.
Refer from Local government; Political science; Towns.
Villas. *See* Architecture, domestic; Cottages.
Vine. *See* Grape; Wine.
Vines. *See* Climbing plants; Gardening; Grape.
Violin.
Refer from Fiddle; Musical instruments.
Virgin Mary. *See* Mary, virgin.
Virtue. *See also* Chastity; Ethics.
Refer from Ethics.
Viscera. *See also* Abdomen; Intestines; Kidneys; Liver.
Refer from Abdomen.
Vision. *See* Color sense; Eye; Sight.
Visions. *See* Apparitions; Dreams; Illusions.
Vital statistics. *See also* Census; Mortality; Population.
Refer from Death rate; Longevity; Man; Statistics.
Vivisection.
Refer from Anatomy; Animals, treatment of; Dissection; Ethics; Pain.
Vocal culture. *See* Voice.
Vocal music. *See* Church music; Music; Songs; Voice.
Vocal organs. *See* Voice.
Vocalists. *See* Singers.
Voice. *See also* Elocution; Music; Oratory; Singing; Sound; Speech; Stammering; Throat; Ventriloquism.
Refer from Breathing; Elocution; Hygiene; Medicine, practice of; Music; Musical education; Oratory; Physiology; Singing; Songs; Sound; Speaking; Speech; Throat; Vocal culture; Vocal music; Vocal organs.
Volcanoes. *See also* Earthquakes.
Refer from Earth; Earthquakes; Geology; Mountains; Physical geography; Seismology.
Voltaic cell. *See* Cell, voltaic.
Voltaic electricity. *See* Electricity.
Voting. *See* Ballot; Election; Representation; Suffrage.
Voussoir arches. *See* Arches.
Voyages and travels. *See also* Antarctic regions; Arctic regions; Discoveries (in geography); Explorers; Geography; Travel; Voyages around the world.
Refer from Adventure; Discoveries (in

Voandzeia

scient. elped.
also names of countries etc. subhead,
Descr. & trav.

geography) : Explorers : Geography ; Journeys : Navigation : Ocean : Travel ; Travelers : Travels.

Voyages around the world.
Refer from Circumnavigation : Voyages and travels.

Wager of battle.
Refer from Battle, wager of : Combat, trial by : Dueling : Law ; Trial by combat.

Wagers. *See* Betting.

Wages. *See also* Labor : Profit-sharing ; Trade-unions.
Refer from Compensation : Economics ; Labor : Prices.

Wagons. *See also* Carriages ; Vehicles.
Refer from Vehicles.

Waldenses. *See also* Albigenses ; Huguenots.
Refer from Albigenses ; Church history ; Huguenots ; Reformation ; Sects ; Valdenses ; Vaudois.

Walking. *See also* Running.
Refer from Animal locomotion : Locomotion ; Pedestrianism ; Physical education ; Running ; Sports.

Wall decoration. *See also* Frescoes ; House painting ; Mosaics ; Paper-hanging ; Plastering ; Tapestry.
Refer from Decoration and ornament ; Frescoes ; House decoration ; Mural decoration ; Painting ; Walls.

Walls. *See also* Foundations ; Masonry ; Wall decoration.
Refer from Architecture ; Engineering ; Foundations ; Masonry.

War. *See* Battles ; International law ; Martial law ; Military art and science ; Naval art and science ; Peace.

War of 1812. see U.S.-His War of 1812

War poetry.
Refer from Poetry.

Wards. *See* Guardians.

Warming. *See* Heating.

Warnings. *See* Omens.

Washing. *See* Laundry.

Watches. *See* Clocks and watches.

Water. *See also* Baths and bathing ; Dew ; Erosion ; Fog ; Frost ; Glaciers ; Hail ; Heating ; Hydraulic engineering ; Ice ; Lakes ; Meteorology ; Ocean ; Physical geography ; Ponds ; Rain ; Rivers ; Snow ; Springs ; Steam ; Swimming ; Water-

supply; Waterfalls; Waterspouts; Waves.

Refer from Beverages; Hydraulic engineering; Ice; Ocean; Physical geography; Physics; Snow; Water-supply.

Water-color painting. *See also* Painting.

Refer from Painting.

Water-cure. *See* Hydropathy.

Water-power. *See* Hydraulic engineering.

Water-supply. *See also* Aqueducts; Artesian wells; Canals; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumps; Reservoirs; Water; Wells.

Refer from Engineering; Hydraulic engineering; Reservoirs; Sanitary engineering; Water; Waterworks.

Water-wheels. *See also* Turbines.

Refer from Hydraulic engineering; Machinery; Motors; Turbines; Wheels.

Waterfalls.

Refer from Cataracts; Falls; Physical geography; Water.

Waterspouts.

Refer from Meteorology; Physical geography; Water.

Waterworks. *See* Water-supply.

Waves. *See also* Electric waves.

Refer from Ocean; Physical geography; Water.

Wax.

Refer from Bees.

Wax flowers.

Refer from Artificial flowers; Flowers.

Wealth. *See also* Banks and banking; Business; Capital; Economics; Finance; Labor; Luxury; Money; Success.

Refer from Economics; Finance; Luxury; Money; Property; Riches.

Weapons. *See* Arms and armor; Firearms; Sword.

Weather. *See also* Climate; Meteorology; Storms; Winds.

Refer from Climate; Meteorology.

Weaving. *See also* Carpets; Lace; Textile fabrics.

Refer from Arts, useful; Carpets; Cotton; Textile fabrics.

Weddings. *See* Marriage.

Weeds.

Refer from Agricultural pests; Botany; Gardening.

Weights and measures. *See also* Arithmetic; Decimal system; Electric measure-

Waters — Law

Waverley abbey.

ment; Gaging; Gravitation; Mensuration; Metric system; Specific gravity; Units.

Refer from Cambistry; Decimal system; Gravitation; Measures; Mensuration; Metric system; Metrology; Science; Specific gravity; Standards; Units.

Wells. *See also* Artesian wells; Boring.

Refer from Artesian wells; Engineering; Hydraulic engineering; Water-supply.

Werwolves.

Refer from Lycanthropy; Superstition.

Wesleyans. *See* Methodist episcopal church.

Western states, see The West

Wharves. *See also* Docks.

Refer from Docks; Harbors.

Wheat. *See also* Flour; Grain.

Refer from Agriculture; Grain.

Wheeling. *See* Cycling.

Wheels. *See also* Carriages; Machinery; Turbines; Water-wheels.

Refer from Carriages; Machinery; Vehicles.

Whigs. *See also* England, *Politics*; U. S., *Politics*.

Refer from Parties.

Whipping. *See* Corporal punishment; Flogging.

Whirlwinds. *See* Storms.

Whist.

Refer from Cards; Games.

Widows. *See also* Wives.

Refer from Family; Wives; Woman.

Wife. *See* Wives.

Will. *See also* Ethics; Liberty of the will; Psychology.

Refer from Ethics; Liberty of the will; Philosophy; Psychology.

Wills. *See also* Administrators and executors; Guardians; Inheritance; Legacies.

Refer from Administrators and executors; Inheritance; Law; Probate; Property; Surrogate law.

Wind. *See* Winds.

Windmills.

Refer from Machinery; Motors.

Window-gardening. *See also* Floriculture.

Refer from Floriculture; Flowers; Gardening; Windows.

Windows. *See also* Glass; Glass-painting; Window-gardening.

Refer from Architecture

Winds. *See also* Meteorology; Storms.
Refer from Currents; Meteorology; Storms; Weather; Wind.

Wine. *See also* Alcohol; Grape; Liquors; Temperance.
Refer from Grape; Liquors; Temperance; Vine.

Wings. *See also* Flight.
Refer from Animal locomotion; Birds; Flight; Zoology.

Winter.
Refer from Seasons.

Wire. *See also* Cables; Electric wires.
Refer from Cables; Metals; Rope.

Wit and humor. *See also* Anecdotes; Caricature; Epigrams; Fools; Laughter; Parody; Satire; Table-talk.
Refer from Caricature; Comic literature; Facetiæ; Humor; Jests; Jokes; Laughter; Literature; Poetry; Satire.

Witchcraft. *See also* Charms; Demonology; Occult sciences; Superstition.
Refer from Black art; Charms; Church history; Conjuring; Delusions; Demonology; Exorcism; Magic; Necromancy; Occult sciences; Persecution; Sorcery; Spirits; Superstition.

Witnesses. *See also* Evidence.
Refer from Law; Trials.

Wives. *See also* Family; Husbands; Marriage; Mothers; Widows; Woman.
Refer from Family; Husbands; Marriage; Widows; Wife; Woman.

Woman. *See also* Actresses; Amazons; Beauty, personal; Celibacy; Chastity; Children; Convents; Costume; Deaconesses; Domestic economy; Etiquette; Family; Fancy work; Girls; Home; Love; Marriage; Mothers; Needlework; Nuns; Nurses and nursing; Prostitution; Queens; Sex; Singers; Sisterhoods; Widows; Wives; Woman suffrage; Young women.
Refer from Anthropology; Biography; Emancipation; Ethics; Family; Female; Girls; Home; Labor; Ladies; Man; Marriage; Rights of women; Sociology; Wives; Young women.

Woman, *Diseases.* *See also* Hysteria; Medicine; and the references under that head.
Refer from Gynecology; Hygiene; Medicine; Medicine, practice of; Physiology.

Winnebago indians

Woman-Bibl.

Woman, *Education.* See Education of women
Refer from Coeducation; Colleges and universities; Education.

Woman, *Law.* *See also* Divorce; Infanticide; Marriage; Prostitution; Woman suffrage.
Refer from Crime; Criminal law; Law.

Woman suffrage.
Refer from Suffrage; Woman; Woman, *Law.*

Wood. *See also* Forestry; Timber; Trees.
Refer from Building materials; Timber; Woods.

Wood-carving. *See also* Carving; Decoration and ornament; Furniture; Sloyd.
Refer from Carving (wood, etc.); Decoration and ornament; Fret cutting; Furniture; Manual training; Sloyd; Woodwork.

Wood-engraving.
Refer from Engraving; Woodcuts.

Woodcuts. *See* Wood-engraving.

Woods. *See* Forestry; Wood.

Woodwork. *See also* Cabinet work; Carpentry; Turning; Wood-carving.
Refer from Arts, useful; Carpentry; Manufactures; Turning.

Wool. *See also* Dyeing; Sheep; Textile fabrics; Worsted; Yarn.
Refer from Agriculture; Fibres; Sheep; Textile fabrics; Worsted; Yarn.

Words. *See also* Etymology; Grammar; Language; Pronunciation; Rhetoric; Spelling; Synonyms; *also* names of languages.
Refer from Etymology; Language.

Work. *See* Labor.

Workhouses. *See* Almshouses.

Working-classes. *See* Labor. Workingmen's insurance

World. *See* Earth; Universe.

Worlds, plurality of. *See* Plurality of worlds.

World's fairs. *See* Exhibitions.

Worms. *See also* Parasites.
Refer from Invertebrates; Zoology.

Worship. *See also* Ancestor-worship; Animals, worship of; Church music; Devotional exercises; Fetishism; Fire-worshipers; Hymns; Idolatry; Litanies; Liturgies; Prayer; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Sacraments; Sacrifice; Serpent-worship; Totems; Tree-worship.
Refer from Church polity; Devotion; De-

Woman - Employment
Woman - Societies & clubs.

votional exercises; Prayer; Religion; Religious services; Rites and ceremonies; Ritualism; Theology.

Worsted. *See also* Sheep; Textile fabrics; Wool; Yarn.

Refer from Textile fabrics; Wool; Yarn.

Wounds. *See also* Surgery.

Refer from Military surgery; Naval surgery; Surgery.

Wrecks. *See* Shipwrecks.

Writers. *See* Authors.

Writing. *See also* Abbreviations; Alphabet; Authorship; Cipher; Cuneiform writing; Hieroglyphics; Ink; Inscriptions; Letter-writing; Manuscripts; Paper; Penmanship; Rhetoric; Shorthand; Typewriting.

Refer from Alphabet; Books and reading; Diplomatics; Epigraphy; Inscriptions; Language; Manuscripts; Paleography; Penmanship; Shorthand.

Wrongs. *See* Torts.

X rays. *Refer from* Cathode rays; Electricity; Light; Photography; Roentgen rays.

Xylography. *See* Block-books.

Yachting. *See also* Boating; Navigation; Sailing.

Refer from Boating; Locomotion; Navigation; Sailing; Ship-building; Ships; Sports.

Yarn. *See also* Cotton; Flax; Hemp; Silk; Spinning; Textile fabrics; Wool; Worsted.

Refer from Spinning; Textile fabrics; Wool; Worsted.

Year. *See also* Calendar; Chronology; Months; Seasons.

Refer from Calendar; Chronology; Months.

Year-books. *See also* Almanacs; Annuals; Calendars.

Refer from Almanacs; Annuals; Calendars; Registers; Statistics.

Yellow fever.

Refer from Contagion; Epidemics; Fever.

Young men. *See also* Boys; Conduct of life; Self-culture; Success; Young people.

Refer from Boys; Ethics; Young people.

Young people. *See also* Boys; Children;

Writ of prohibition, see Prohibition, Writ of

Yoldia limatula

Education; Girls; Young men; Young women.

Refer from Conduct of life; Education; Ethics; Young men; Young women.

Young women. *See also* Conduct of life; Girls; Self-culture; Woman; Young people.

Refer from Ethics; Girls; Woman; Young people.

Zodiac.

Refer from Astronomy; Stars.

Zodiacal light.

Refer from Astronomy; Light.

Zoological gardens. *See* Menageries.

Zoological mythology. *See* Animals, legends and stories of; Animals, worship of; Animals, Mythical

Zoology. *See also* Alpine zoology; Anatomy; Animal electricity; Animal heat; Animal locomotion; Animal psychology; Animalcules; Apes; Aquarium; Batrachia; Biology; Birds; Cells; Color of animals; Crustacea; Domestic animals; Domestication; Embryology; Evolution; Fish; Game; Geographical distribution; Gorilla; Heredity; Insects; Instinct; Invertebrates; Mammals; Man; Marine zoology; Menageries; Microscope; Mollusks; Monkeys; Monsters; Natural history; Nests; Paleontology; Parasites; Phosphorescence; Physiology; Quadrupeds; Reptiles; Seal; Species; Taxidermy; Vertebrates; Wings; Worms; Yoldia limatula

Refer from Animal kingdom; Animals; Beasts; Biology; Brutes; Domestic animals; Fauna; Invertebrates; Mammals; Natural history; Quadrupeds; Science; Vertebrates.

Zend Avesta, see Avest

Zinc mines & mining

Zoology — Geographical distri

APPENDIX

A. Some hints on subject cataloging in dictionary style, by C. A. Cutter.

B. Subheads under Countries and States.

C. Subheads under Cities.

D. Subheads under Bible.

E. Subheads under Shakespeare.

F. Subheads under Languages.

G. Country and language divisions of the forms of Literature.

A.

SOME HINTS ON SUBJECT CATALOGING IN DICTIONARY STYLE.

By C. A. Cutter.

EVERY book should be entered under the word that most closely expresses its main subject. This designation should be as exact as possible, neither too restricted, for then part of the book's contents will be wasted, nor too general, because it is not the purpose to make a classed catalog.

Do not enter under the specific subject and under the including class also. This will only make of the dictionary catalog an incomplete and unsatisfactory classed catalog. [Cutter's Rules, § 93.]

If a book has two, three, or more subjects it must be put under as many headings. But before making more than one entry one should always consider whether there is not some word that includes all of them; if there is, that word is the proper heading. Thus instead of putting "Gesture and expression; suggestions for speakers" under both Expression and Gesture it should be entered under Elocution. Green's "Plants and animals" should not be entered under both Botany and Zoology but under Natural history. Sometimes only part of the subjects can be thus combined. In such cases the others must receive their individual entry. [Cutter's Rules, §§ 109, 110.]

Some books are polytopical which do not appear to be so at first glance. "Travels in Armenia and China" every one would put under each country; "Plato's doctrine of painting," by Sartorius, has equally two subjects, Plato and Painting, and should be entered under each. [Cutter's Rules, §§ 109, 110.]

If two subjects are frequently conjoined in books so that the same titles would appear under both headings, a saving may be made when one comes to print, by substituting a reference in one of the places. Many books, for example, treat of the United States and Canada. A Canadian library would put all of these under Canada, a United States library under United States, with a general reference under the other heading. But in a card catalog, where it is irksome to turn from one part to another, one ventures on such saving much less often.

Not infrequently it is worth while to enter under a separate heading a subject which fills only a volume, a chapter, or an appendix. But the cataloger must be careful not to push this analytical work too far. He is not making an index but a catalog. A library with few books needs to bring out its hidden treasures in this way more than one which has whole works on the various subjects. But it must

be remembered that a reference in Mr. Fletcher's "A. L. A. index" will often serve about as well as an entry in one's own catalog, just as Poole's "Index to periodical literature" makes it wrong to write analyticals for any of the magazines indexed therein. [Cutter's Rules, §§ 125–128.]

Do not, at first, make very minute subdivisions under countries, but as the number of titles increases break them up more and more into groups. Other comprehensive subjects, such as Law, Philosophy, Religion, may have subdivisions if made necessary by a large number of cards. The subheads appropriate under every subject are Bibliography, Dictionaries, History, Periodicals. [Cutter's Rules, § 255, last three paragraphs of fine print. *See also* Appendixes B–F.]

It will not do to trust the title-page alone in assigning subject headings. Titles are often misleading. Examine the table of contents and turn over the pages; in many cases one must read a part of the work before one knows just what its subject is.

For fuller discussion see Cutter's Rules for a dictionary catalog, third edition, pages 45–59.

B.

COUNTRIES AND STATES.

1. A SHORTER SCHEME OF SUBHEADS.

BASED ON THE 1893 REPORT OF THE COMMITTEE ON AN INDEX TO SUBJECT HEADINGS, LIBRARY JOURNAL, 18:C80.

Publications of the Government.

These may be arranged before books about the country, as in the fuller scheme below, or the different departments, etc., may be arranged in the same alphabet as the subjects.

Example:

Education.
Education bureau.
Finance.
Geological survey.
Geology.

A full list of departments, bureaus, etc., of the United States government is given at the end of the Catalog of the public documents of the 53d Congress, Washington, 1896.

Works about a Country or State.

General and miscellaneous. [This heading need not be written on the cards.]
*Agriculture.
Antiquities.
Army and navy [under states use Militia].
Bibliography.
Biography.
Church history.
Colonies.
Commerce and industries.
Constitution.
Description and travel.
Directories.
*Education.
Finance.
*Fine arts.
Foreign relations, Treaties.
*Geology [including physical geography and paleontology].
*Heraldry.
History [subdivided by periods when necessary].
Laboring classes.
Law.
Literature. *See* adjective form of literature name; *i.e.* (under France) *See* French literature. [Consult Appendix G.]
Manners and customs.
*Natural history.

*Many catalogers prefer to enter books on an art or science under the art or science, subdivided by country if necessary.

Politics and government.
Religion. Registers, see Direct.
Statistics.
Surveys.

If a book cannot properly be entered under either of the above subheads the proper heading may be selected from the fuller scheme given below. Small libraries are advised not to multiply subdivisions until needed, as too many subheads are confusing.

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2. A FULLER SCHEME OF SUBHEADS:

AS USED IN THE CARD CATALOG OF THE BOSTON PUBLIC LIBRARY.

[Printed by permission of the library.]

1.

Publications of the Government in its Different Departments.

Constitution. See also Law; Constitut
Constitution, works about.
Executive government (as President, Governor, etc.). Pres., see Pres., subd.
Legislative government (as Congress, General court, Assembly, etc., with divisions: Acts, laws; Journals; Reports; etc.).
Ministers or departments (arranged alphabetically).

2.

Works about a Country or State.

Agriculture.
Annexations.
Antiquities.
Architecture. *See* Fine arts.
Archives. See Archives, subd. by country etc
Army ~~and navy~~.
Asylums. *See* Hospitals.
Banks.
Bibliography. *See also* Literature, division Bibliography.
Biography and genealogy.
Botany.
Boundaries.
Business associations.
Canals. *See* Railroads.
Capital and capitol.
Census.
Charities.
Chronology. See Hist.- Chron.
Civil and political institutions, etc. *See* Political history and affairs.
Civil service.
Civilization.
Climate. *See* Meteorology.
Coats of arms and seals.
Coinage. *See* Numismatics.
Colonies.
Commerce.
Conchology. *See* Malacology.
Conventions and public meetings.
Costume.
Crime. *See* Prisons.
Customs. *See* ~~Manners~~ Soc. life and customs.
Description, ~~travel~~. ~~See~~ Geography.
Dialects. *See* Language.
Dictionaries. *See* Language.
Directories (including registers of public officials). See also Registers
Drama (including stage).
Ecclesiastical history. *See* History, religious.
Ecclesiastical institutions. *See* Religious institutions.
Education. Economic conditions
Elections. See Elections subd. by country
Emigration and immigration. See also Norwegians in the U.S.
Entomology.
Epidemics.
Ethnology. Expansion & colonial pol
Exhibitions of industry and art. See also Territorial expan. Exploring exped
Finance. See Finance, subd. by country
Currency question.
Fine arts.
General works. Painting.
Architecture. Sculpture.
Music.
Fisheries.
Folk-lore.
Folk-songs.
Foreign relations.
Treaties.
Forestry.
Fortifications.
Galleries and museums.
Gazetteers. *See* Geography.

Constitutional hist. See also Hist.
Corporation law

Genealogy. *See* Biography.
Geodesy.
Geography, description and travel.
General works. Maps.
Gazetteers. Views.
Guide books.
Geology, physical geography and paleontology.
Grammar. *See* Language.
Harbors.
Health resorts.
Heraldic and social distinctions.
Herpetology.
History.
General works.
Bibliography.
By reigns, administrations, etc.
Comprehensive works.
Early periods.
Historical fiction.
Local history.
Military history. *See also* Militia (under states).
Naval history.
Personal narratives (in histories of the American civil war).
Political history. *See* Political history (below).
Religious and ecclesiastical history.
Hospitals and asylums.
Ichthyology.
Immigration. *See* Emigration.
Indians. (For states.)
Indians of the U. S. *See* Indians of America.
Internal improvements. *See* Public works.
Internal revenue. *See* Revenue.
Jurisprudence.
Laboring classes.
Land question.
Language.
General works.
Conversation and phrase books.
Dialects.
Dictionaries.
Grammar.
General works.
Pronunciation.
Prosody.
Syntax.
Reading books.
Rhymes.
Spelling.
Works in the language.

Libraries.
Literary and scientific institutions.
Literature.
General works.
Bibliography. *See also* Bibliography.
Collections.
Criticism.
History.
Poetry.
Poetry, collections.
Malacology.
Manners and customs.
Manufactures.
Medicine (including diseases).
Meteorology and climatology.
Military history. *See* History, military; for states, *see also* Militia.
Militia. (For states.)
Mineralogy.
Mines and mining.
Missions.
Music. *See* Fine arts.
Mythology.
Natural history.
Naval history. *See* History, naval.
Navy. ~~*See* Army and navy~~.
Newspapers.
Numismatics.
Ornithology.
Painting. *See* Fine arts.
Paleontology. *See* Geology.
Patents.
Periodicals.
Philosophy.
Physical geography. *See* Geology.
Poetry. *See* Literature.
Police.
Political economy.
Political history and affairs.
Pomology.
Poor, the.
Population. *See also* Census.
Printing.
Prisons (including Crime).
Public lands.
Public works.
Railroads, ~~canals, etc.~~
Reading books. *See* Language.
Reformatory institutions. *See* Prisons.
Registers of public officials. *See* Directories.
Religious and ecclesiastical institutions.
Revenue.
Revenue, internal.
Revenue, surplus.

Rhymes. *See* Language.
Rivers.
Roads.
Sanitary affairs.
Scientific institutions. *See* Literary and scientific institutions.
Sculpture. *See* Fine arts.
Slavery question.
Social science.
Sports and sporting.
Statistics.
Surplus. *See* Revenue.
Surveys.
Tariff.
Taxation.
Towns.
Travel. *See* Geography.
Treaties. *See* Foreign relations.
Water power.
Water supply.
Weights and measures.
Zoology.

C.

CITIES.

1. A SHORTER SCHEME OF SUBHEADS.

BASED ON THE 1893 REPORT OF THE COMMITTEE ON AN INDEX TO SUBJECT HEADINGS, LIBRARY JOURNAL, 18:C80.

Publications of a City.

These may be arranged before books about the city as in the fuller scheme below, or the different departments may be arranged in the same alphabet as the subjects.

Example:
- Finance.
- Fire department.
- Health board.
- History.
- Manners and customs.
- Mayor.

Works about a City.

General and miscellaneous. [This heading need not be written on the cards.]
Antiquities.
Bibliography.
Biography.
Charitable institutions.
Churches and religious institutions.
Description.
Directories.
Education.
Finance.
Fine arts.
History.
Manners and customs.
Politics and government.
Public works.
Statistics.

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2. A FULLER SCHEME OF SUBHEADS.

AS USED IN THE CARD CATALOG OF THE BOSTON PUBLIC LIBRARY.

[Printed by permission of the library.]

There are two divisions and two alphabets in the card catalog under Cities:

1. The publications of a city, arranged alphabetically by the names of the departments. 2. Books, etc., about a city, arranged alphabetically by subjects, as Antiquities, Description, History, Parks.

I.

Charters.
Mayor.
City council.
Board of aldermen.
Common council.
Departments, arranged alphabetically, a varying with each city.

2.

Annexations.
Antiquities.
Banks.
Benevolent institutions. *See* Charitable institutions.
Bibliography.
Biography and genealogy.
Botany.
Boundaries.
Bridges.
Business associations, etc.
Cemeteries.
Census.
Centennial celebrations, etc.
Charitable institutions and affairs.
Churches. *See also* Religious institutions.
Clubs.
Commerce. *See* Business.
Commercial institutions. *See* Business associations.
Conventions and public meetings.
Courts.
Custom-house.
Description, topography, etc.
General works.
Guide books.
Manners and customs.
Maps.
Views.
Directories (including Registers of public officials).
Ecclesiastical institutions. *See* Churches; Religious institutions.
Education.
(General works on the educational institutions and advantages of a city. Official publications, as those by the School committee, etc., are placed in division one, Departments — Public schools, and School committee.)
Elections.
Epidemics.
Exhibitions of industry and art.
Fairs.
Ferries.
Finance.
Financial institutions. *See* Banks; Business associations.
Fine arts.
Fires.
Fortifications.
Fourth of July celebrations and orations.
Galleries, museums, etc.
Genealogy. *See* Biography.
Geology.
Guide books. *See* Description, division Guide books.
Guilds.
Harbor.
History.
Hospitals.
Hotels, taverns, etc.
Labor and laboring classes.
Libraries.
(Works about the libraries of a city. Libraries belonging to a city are included in the first division, as a department of the city.)
Literary and scientific institutions, etc.
Manners and customs. *See* Description.
Manufactures.
Maps. *See* Description.
Markets.
Monuments.
Museums. *See* Galleries.
Musical organizations. (To be found under their corporate names, as Apollo club.)
Parks.
Paving. *See* Streets.
Police.
Political organizations and affairs.
Poor, the.
Post-office.
Printing.
Prisons and reformatory institutions.
Public buildings.
Public meetings. *See* Conventions.
Public schools. *See* references under Education.
Railroads.
Registers of public officials. *See* Directories.
Religious institutions and affairs.
Riots.
Sanitary affairs.
Schools. *See* Education.
Scientific institutions. *See* Literary institutions.
Sewerage.
Statistics.
Streets.
Suits at law, plaintiff or defendant.
Taxation.
Theatres.
Topography. *See* Description.
Views. *See* Description.

Vital statistics. *See* Statistics.
Voters.
Voting precincts.
Wards.
Water supply.
Wharves.
Miscellaneous.

D.

BIBLE.

1. A SHORTER SCHEME OF SUBHEADS.

Whole Bible.

Text of the whole Bible.
Works about the whole Bible.
General and miscellaneous. [This heading need not be written on the cards.]
Concordances.
Dictionaries.

Old Testament.

Text.
Works about the Old Testament.
Collections of books, such as
Pentateuch,
Historical books, etc.
Single books [arranged in the same order as in the Bible. Works about a book follow its text].
Apocrypha.

New Testament.

Text.
Works about the New Testament.
Collections of books, such as
Gospels,
Epistles, etc.
Single books [arranged in the same order as in the Bible. Works about a book follow its text].
Apocryphal New Testament.

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2. A FULLER SCHEME OF SUBHEADS.

[Printed, with additions, by permission of the New York State Library School.]

Whole Bible.

Bible treated as an author, *i. e.*, original text.
Polyglots.
English, with and without commentaries, chronologically arranged.
In other languages, alphabetically as to names of languages.
Selections.

Bible treated as a subject, *i. e.*, works *about* the Bible.
Antiquities.
Bibliography and literary history.
Biography.
Canon.
Chronology.
Commentaries without text.
Concordances.
Criticism, interpretation, etc.
Dictionaries.
Evidences, authority, etc.
Geography.
Hermeneutics. *See* Criticism, interpretation, etc.
History of biblical events.
Illustrative works. *See* Miscellaneous.
Inspiration.
Introductions.
Language, style.
Paraphrases.
Questions. *See* Sunday School question books (under Sunday).
Revision.
Science. < Study
Miscellaneous.

Old Testament.

Text.
Works about the Old Testament.
Collections of books, such as
Octateuch,
Pentateuch, etc.

Single books. [Arrange text of each book alphabetically by language. Works about a book follow its text.]

Genesis.
Exodus.
Leviticus.
Numbers.
Deuteronomy.
Joshua.
Judges.
Ruth.
Samuel, 1, 2.
Kings, 1. 2.
Chronicles, 1, 2,
Ezra.
Nehemiah.
Esther.
Job.
Psalms.
Proverbs.
Ecclesiastes.
Song of Solomon.
Isaiah.
Jeremiah.
Lamentations.
Ezekiel.
Daniel.
Hosea.
Joel.
Amos.
Obadiah.
Jonah.
Micah.
Nahum.
Habakkuk.
Zephaniah.
Haggai.
Zechariah.
Malachi.

Apocrypha: collections of books.
Single books.
Esdras.
Tobit.
Judith.
Wisdom of Solomon.
Ecclesiasticus.
Baruch.
Song of the three children.
Susanna.
Bel and the Dragon.
Prayer of Manasses. Maccabees, 1,2,3,4.
Other Apocryphal books in alphabetic order, as: Adam, Enoch, Jasher.

New Testament.

Text.
Works about the New Testament.
Collections of books, such as:
Gospels,
" *Harmonies*,
Epistles, etc.
Single books. [*See* note under O. T.]
Matthew.
Mark.
Luke.
John.
Acts.
Romans.
Corinthians, 1, 2.
Galatians.
Ephesians.
Philippians.
Colossians.
Thessalonians, 1, 2.
Timothy, 1, 2.
Titus.
Philemon.
Hebrews.
James.
Peter, 1, 2.
John, 1, 2. 3.
Jude.
Revelation.

Apocryphal New Testament.
Collections.
Single books.

E.

SHAKESPEARE.

1. A SHORTER SCHEME OF SUBHEADS.

Shakespeare's Works.

Collected works.
Poetic works.
Selections.
Quotations.
Single plays. [Arrange alphabetically by title, with illustrative works following each.]
Single poems. [Arrange alphabetically, etc.]

Works about Shakespeare.

General and miscellaneous. [This heading need not be written on the cards.]
Authorship.
Bibliography.
Biography.
Concordances.
Dictionaries.

2. A FULLER SCHEME OF SUBHEADS.

[Prepared for the New York State Library School, by Edith Davenport Fuller.]

Shakespeare's Works.

Collected works and collected plays. [Arrange chronologically by imprint.]
Single plays. [Arrange plays alphabetically by title, with their illustrative works following each. Editions of each play are arranged chronologically by imprint, followed by their illustrative works arranged alphabetically by author.]
Poetic works. [Arrange chronologically by imprint, with criticisms, etc., following.]
Single poems. [*See* note under Single plays.]
Selections. [Arrange alphabetically by compiler.]
Quotations.
Shakespeare's will.
Spurious and doubtful works.
Translations. [These are better arranged with the English editions. If by themselves they will come after Spurious and doubtful works.]

Works about Shakespeare.

Authorship.
Bibliography.
Biography and general criticism.
[Biography includes Portraits, and various personal questions as Autograph, House, Name, etc. Criticism includes Commentaries without text. The criticism on a single play follows its text.]
Celebrations.
Characters.
Chronology.
Commentaries. *See* Biography.
Concordances.
Cyclopedias. *See* Dictionaries.
Dictionaries.
Forgeries.
Indexes. *See* Concordances.
Language, pronunciation and versification.
Shakespeare-Bacon controversy. *See* Authorship.
Sources, Stories, Imitations, etc.
Textual criticism.
General. [The textual criticism of a single play follows its text.]
Periodicals.
Societies.
Miscellaneous.
Titles, etc., beginning with the word Shakespeare.

F.

LANGUAGES.

1. A SHORTER SCHEME OF SUBHEADS.

General and miscellaneous. [This heading need not be written on the cards.]
Dialects.
Dictionaries.
Etymology [meaning derivation].
Grammar.
History.
Pronunciation.
Prosody.
Readers.
Spelling.
Synonyms.

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2. A FULLER SCHEME OF SUBHEADS.

General and miscellaneous. [This heading need not be written on the cards.]
Accents.
Alphabet.
Bibliography.
Composition.
Conversation and phrase books.
Dialects.

Dictionaries.
Etymology [meaning derivation].
Grammar.
History.
Idioms.
Metre. *See* Prosody.
Orthography. *See* Spelling.
Periodicals.
Pronunciation.
Prosody.
Readers.
Rhymes.
Spelling.
Study and teaching.
Synonyms.
Syntax. *See* Grammar.

G.

COUNTRY AND LANGUAGE DIVISIONS OF THE FORMS OF LITERATURE.

For these the adjective form of the country or language name may be used: French literature and French poetry, not France, *Literature*, and France, *Poetry*.

The following are the principal forms of literature which may be placed under the local adjective prefix:

Ballads.	Orations.
Drama.	Parodies.
Essays.	Periodicals.
Fiction.	Poetry.
Language.	Satire.
Letters.	Songs.
Literature.	Sonnets.
Newspapers.	Wit and humor.

Other forms of literature should be kept together under the form heading instead of being scattered through the alphabet under the country adjective. Such are:

Allegories.	Hymns.
Anecdotes.	Inscriptions.
Dialogues.	Legends.
Emblems.	Maxims.
Epigrams.	Mottoes.
Epitaphs.	Proverbs.
Fables.	Quotations.
Fairy tales.	Riddles.
Folk-lore.	Sermons.

The smaller libraries may prefer to enter *English* ballads, drama, *etc.*, with the general works under the headings Ballads, Drama, *etc.*

[Modified from the Report of the Committee on an index to subject headings, Chicago, 1893 (Library journal, 18:C80)].